

THE  
GLASGOW UNIVERSITY  
CALENDAR

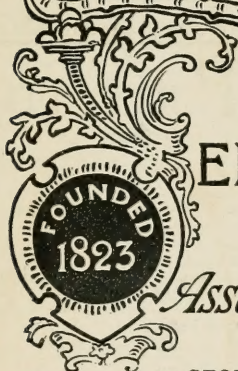
FOR THE YEAR

1893-94.



GLASGOW :  
JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET.  
Publishers and Booksellers to the University.  
EDINBURGH : DOUGLAS AND FOULIS.  
1893.

*The New*



*The*  
**EDINBURGH  
LIFE**

*Assurance Company*

HEAD OFFICE:

22 GEORGE STREET, EDINBURGH

*Manager*—GEORGE MACRITCHIE LOW, F.F.A.

*Secretary*—ARCHIBALD HEWAT, F.F.A., F.I.A.

**GLASGOW OFFICE: 122 St. Vincent Street.**

*Resident Secretary*—D. S. BUCHANAN.



*A New Work for Medical Students and Practitioners.*

**DISSECTIONS ILLUSTRATED: A Graphic Handbook for Students of Human Anatomy.** By C. GORDON BRODIE, F.R.C.S., Senior Demonstrator of Anatomy, Middlesex Hospital Medical School; Assistant Surgeon, North-West London Hospital. With Plates Drawn and Lithographed by PERCY HIGHLEY. In Four Parts.

PART I. THE UPPER LIMB. With Seventeen Coloured Plates—Two-thirds natural size—and Ten Diagrams. Imperial 8vo, sewed in wrapper, 8s. 6d.

"The plates are exceedingly well drawn and placed on the stone. . . . The explanatory letter-press is clear and concise."—*The Lancet*.

"Of such high merits are the plates of this, the first volume, that the publication of three remaining numbers of the series will be awaited with impatience by all students of anatomy."—*The Hospital*.

"The scheme is admirably carried out and the plates most reliable. . . . We can confidently recommend the work."—*Guy's Hospital Gazette*.

PART II. THE LOWER LIMB. With 20 Plates.

[Shortly.

PART III. HEAD, NECK, AND THORAX.

[Preparing.

PART IV. ABDOMEN.

[Preparing.

*Twelfth Edition, Revised throughout, with numerous additions, 822 pp., post 8vo, 10s. 6d.*

**HOBLYN'S DICTIONARY of Terms used in Medicine and the Collateral Sciences.** Revised and Enlarged. By J. A. P. PRICE, B.A., M.D., Oxon., Assistant Surgeon to the Royal Berkshire Hospital; late Physician to the Royal Hospital for Children and Women.

"This well-known work. . . . A useful feature of this new issue is the addition of dates to the names of eminent medical men mentioned in the work who have passed away."—*The Lancet*.

"It has a rare merit of supplying in almost every case what you have a right to expect in consulting it."—*Glasgow Medical Journal*.

**LONDON: WHITTAKER & CO., Paternoster Square.**

**Mutual Life Assurance—Moderate Premiums.**

# SCOTTISH PROVIDENT INSTITUTION.

(ESTABLISHED 1837.)

The **PREMIUMS** are on so moderate a scale that an assurance of **£1,200** or **£1,250** may generally be secured from the first for the yearly payment which usually would be charged (with profits) for **£1,000** only. The **£200** or **£250** is thus an immediate (and certain) Bonus, as large as can be looked for in good offices only after many years.

The **WHOLE PROFITS** go to the Policyholders, and are reserved exclusively for those Members (more than half of those who enter) who survive the period at which their Premiums, with compound interest at 4 per cent., amount to the original assurances—no share being given to those whose earlier death causes loss to the Common Fund.

*Examples of Premiums for £100 at Death (with Profits):*

Age next Birthday.	30	35	40	45	50
During Life, - - - -	£2 1 6	£2 6 10	£2 14 9	£3 5 9	£4 1 7
21 Payments, - - - -	2 15 4	3 0 2	3 7 5	3 17 6	4 12 1

**ACCUMULATED FUNDS EXCEED £8,000,000.**

**HEAD OFFICE, - 6 ST. ANDREW SQUARE, EDINBURGH.**

**GLASGOW OFFICE—29 ST. VINCENT PLACE,**

**WILLIAM M. WISELY, Resident Secretary.**

JULY, 1893.

# THE STORY OF THE NATIONS.

*Each Volume Illustrated and furnished with Maps and Index, etc., Crown 8vo, Cloth, Price 5s.*

## A LIST OF THE VOLUMES.

- |   |  |
|---|--|
| 1. <b>Rome.</b> Arthur Gilman, M.A.               | 18. <b>Phœnicia.</b> Prof. Geo. Rawlinson.                 |
| 2. <b>The Jews.</b> Prof. J. K. Hosmer.           | 19. <b>Media.</b> Zenaide A. Ragozin.                      |
| 3. <b>Germany.</b> Rev. S. Baring-Gould.          | 20. <b>The Hansa Towns.</b> Helen Zimmern.                 |
| 4. <b>Carthage.</b> Prof. Alfred Church.          | 21. <b>Early Britain.</b> Prof. A. J. Church.              |
| 5. <b>Alexander's Empire.</b> J. P. Mahaffy.      | 22. <b>The Barbary Corsairs.</b> Stanley Lane-Poole.       |
| 6. <b>The Moors in Spain.</b> Stanley Lane-Poole. | 23. <b>Russia.</b> W. R. Morfill.                          |
| 7. <b>Ancient Egypt.</b> Prof. Geo. Rawlinson.    | 24. <b>The Jews under the Romans.</b> W. Douglas Morrison. |
| 8. <b>Hungary.</b> Prof. Arminius Vambery.        | 25. <b>Scotland.</b> John Mackintosh, LL.D.                |
| 9. <b>The Saracens.</b> Arthur Gilman, M.A.       | 26. <b>Switzerland.</b> Lina Hugg and R. Stead.            |
| 10. <b>Ireland.</b> Hon. Emily Lawless.           | 27. <b>Mexico.</b> By Susan Hale.                          |
| 11. <b>Chaldea.</b> Zenaide A. Ragozin.           | 28. <b>Portugal.</b> H. Morse Stephens.                    |
| 12. <b>The Goths.</b> Henry Bradley.              | 29. <b>The Normans.</b> Sarah Orme Jewett.                 |
| 13. <b>Assyria.</b> Zenaide A. Ragozin.           | 30. <b>The Byzantine Empire.</b> By C. W. C. Oman.         |
| 14. <b>Turkey.</b> Stanley Lane-Poole.            | 31. <b>Sicily.</b> Prof. Freeman.                          |
| 15. <b>Holland.</b> Prof. J. E. Thorold Rogers.   | 32. <b>The Tuscan Republics.</b> Bella Duffy.              |
| 16. <b>Mediæval France.</b> Gustave Masson.       |  |
| 17. <b>Persia.</b> S. G. W. Benjamin.             |  |

### NEW VOLUMES JUST ADDED.

**POLAND.** By W. R. Morfill.

**PARTHIA.** By Rev. Canon Rawlinson.

*THE PALL MALL GAZETTE.*—"An excellent series. . . . A capital idea, and the series is likely to be found indispensable in every school library."

*THE DAILY CHRONICLE.*—"Such a universal history as the series will present us with in its completion will be a possession such as no country but our own can boast of. . . . Its success on the whole has been very remarkable."

*TIMES.*—"That most admirable and deservedly popular series."

London: T. FISHER UNWIN, Paternoster Square, E.C.

## VALUABLE AMERICAN ENGINEERING WORKS.

**Thurston (Prof. R. H.) A MANUAL OF THE STEAM ENGINE.**

Part I. **STRUCTURE AND THEORY.**—History of the Steam-Engine, Structure of Modern Engines. Philosophy of the Steam-Engine. Theory of the Steam-Engine. Efficiencies of the Steam-Engine, etc. 8vo, 900 pages. Fully Illustrated. Cloth, 37s. 6d.

Part II. **DESIGN, CONSTRUCTION OPERATION.**—Design of the Steam-Engine. Valves and Valve Motions. Regulation; Governors; Fly-wheels; Inertia Effects. Construction and Erection. Operation; Care and Management. Engine and Boiler Trials. Specifications and Contracts. Finance; Costs and Estimates. 8vo, 900 pages. Fully Illustrated. Cloth, 37s. 6d.

**EXPERIMENTAL ENGINEERING.** By Prof. R. C. CARPENTER, Sibley College, Cornell University. 729 pages. 8vo, cloth. 30s.

**MECHANICAL DRAWING.** By Prof. CHAS. W. MACCORD, Stevens Institute. Profusely Illustrated. 8vo, cloth. 20s.

Contents: I.—Progressive Exercises. II.—Practical Hints to Draughtsmen.

**AMERICAN MACHINIST.**—"The whole forms a valuable work on mechanical drawing, and will fill a large sphere of its own. We believe it to be well adapted for use in schools, technical institutes, and for the use of all who wish to become proficient in the art of mechanical drawing."

**THE PRACTICAL CATECHISM.** A Series of Direct Practical Questions and Answers on subjects connected with Engineering. By ROBERT GRIMSHAW. 18mo. Cloth, 6s. 6d.

**MODERN LOCOMOTIVE CONSTRUCTION.** With many Illustrations. By J. G. A. MEYER, Associate Editor of the "American Machinist." 4to. Cloth, £2 10s.

**MECHANICAL WORLD.**—"This work is in our opinion the most serviceable in the English language. . . . Thoroughness, indeed, characterises the work throughout, no detail being considered too insignificant to receive the careful attention of the author."

\* \* \* Send for Catalogue of American Books on all subjects.

GAY AND BIRD, 27 King William Street, West Strand, LONDON.



61 St. Vincent Street, Glasgow, July 12th, 1893.

Glasgow University Calendar Advertising Sheet.  
SESSION 1893-94.

Macmillan & Co.'s Publications.  
CLASSICAL LIBRARY.

- Æschylus**—Seven against Thebes. By A. W. Verrall, Litt.D. With Translation. 7s 6d  
Agamemnon. By the same Editor. With Translation. 12s  
**The Choephori.** By the same Editor. With Translation. 12s  
**The Supplices.** By T. G. Tucker, M.A. With Translation. 10s 6d  
**Aristotle**—The Politics. By R. D. Hicks, M.A. [In the Press.  
On the Constitution of Athens. By J. S. Sandys, Litt.D. 15s  
**Sabrinus**—By W. G. Rutherford, M.A., LL.D. 8vo. 12s 6d  
**Cicero**—Academica. By J. S. Reid, M.L., Litt.D. 8vo. 15s  
**Euripides**—Iphigenia at Aulis. By E. B. England, M.A. 8vo. 7s 6d  
Medea. By A. W. Verrall, Litt.D. 8vo. 7s 6d  
**Herodotus**—Books I.-III. By Prof. A. H. Sayce. 8vo. 16s  
**Homer**—Iliad. By W. Leaf, Litt.D. 2 vols. Books I.-XII., 14s. Books XIII.-XXIV. 14s  
**Juvenal**—Thirteen Satires. By Prof. J. E. B. Mayor. Vol. I., 10s 6d. Vol. II., 10s 6d  
**Ktesias**—The Fragments of the Persika. By John Gilmore, M.A. 8vo. 8s 6d  
**Martial**—Epigrams. Books I. and II. By Prof. John E. B. Mayor, M.A. [In the Press.  
**Pindar**—The Olympian and Pythian Odes. By B. Gildersleeve. 7s 6d  
The Nemean Odes. By J. B. Bury, M.A. 12s  
Isthmian Odes. By the same. 12s 6d  
**Plato**—Phædo. By R. D. Archer-Hind, M.A. 8vo. 8s 6d  
Timæus. By the same Editor. 8vo. 16s  
Phædo. By W. D. Geddes, LL.D. 8vo. 8s 6d  
**Pliny**—Correspondence with Trajan. By E. G. Hardy, M.A. 8vo. 10s 6d  
**Tacitus**—Annals. By Prof. G. O. Holbrooke, M.A. 8vo. 16s  
**Thucydides**—Book IV. By W. G. Rutherford, M.A., LL.D. 8vo. 7s 6d  
Book VIII. By H. C. Goodhart, M.A. [In the Press.

CLASSICAL TRANSLATIONS.

- Aristotle**—The Politics. By Rev. J. E. C. Welldon, M.A. Crown 8vo. 10s 6d  
The Rhetoric. By the same. Crown 8vo. 7s 6d  
**The Nicomachean Ethics.** By the same. Crown 8vo. 2s 6d  
**Cicero**—Select Letters. Translated from Watson's Edition. By Rev. G. E. Jeans, M.A. 10s 6d  
Academica. By J. S. Reid, M.L., Litt.D. 8vo. 5s 6d  
**Herodotus.** By G. C. Macaulay, M.A. The History. 2 vols. Crown 8vo. 18s  
**Homer**—Odyssey. By Prof. H. S. Butcher, M.A., and A. Lang, M.A. 6s  
Iliad. By A. Lang, M.A., Walter Leaf, Litt.D., and Ernest Myers, M.A. Map. 12s 6d  
The Odyssey. Books I.-XII. By the Earl of Carnarvon. 8s 6d  
**Horace.** By J. Lonsdale, M.A., and S. Lee, M.A. 3s 6d  
**Juvenal**—Thirteen Satires. By A. Leeper, M.A. Crown 8vo. 3s 6d  
**Livy**—Books XXI.-XXV. By Rev. A. J. Church, M.A., and W. J. Brodribb, M.A. 7s 6d  
**Pindar**—Odes. By Ernest Myers, M.A. Second Edition. 5s  
**Plato**—Republic. By J. Ll. Davies, M.A., and D. J. Vaughan, M.A. 2s 6d net  
Euthyphro, Apology, Crito, and Phædo. By F. J. Church. 2s 6d net  
Phædrus, Lysis, and Protagoras. By Rev. J. Wright, M.A. 2s 6d net  
**Polybius**—The Histories. By E. S. Shuckburgh, M.A. 2 vols. 21s  
**Sallust**—Catiline and Jugurtha. By A. W. Pollard, B.A. 6s. Catiline separately, 3s.  
**Tacitus.** By A. J. Church, M.A., and W. J. Brodribb, M.A. History, 6s. Annals, 7s 6d.  
Agricola and Germania, 4s 6d  
**Theocritus, Moschus, and Bion.** By Andrew Lang, M.A. New Ed. 18mo. 2s 6d net  
**Virgil.** By J. Lonsdale, M.A., and S. Lee, M.A. 3s 6d  
**Virgil's Æneid.** By J. W. Mackail, M.A. 7s 6d  
**Xenophon**—The Works of. By H. G. Dakyns, M.A. With Introduction and Notes. Four  
Volumes. Crown 8vo. Vol. I., 10s 6d. Vol. II., 10s 6d [Vol. III., in the Press.

MACMILLAN AND CO., LONDON.

# Macmillan & Co.'s Publications.

## CLASSICAL SERIES.

- Æschines—In Ctesiphonta.** By Rev. T. Gwatkin, M.A., and E. S. Shuckburgh, M.A. 5s
- Æschylus—Persæ.** By A. O. Prickard, M.A. 2s 6d
- The Seven Against Thebes.** By A. W. Verrall, Litt.D., and M. A. Bayfield, M.A. 2s 6d
- Andocides—De Mysteriis.** By W. J. Hickie, M.A. 2s 6d.
- Attic Orators—Selections from Antiphon, Andocides, Lysias, Isocrates, and Isæus.** By Prof. R. C. Jebb, Litt.D. 5s
- Cæsar—The Gallic War.** By Rev. J. Bond, M.A., and Rev. A. S. Walpole, M.A. 4s 6d
- Catullus—Select Poems.** By F. P. Simpson, B.A. 3s 6d
- Cicero—The Second Philippic Oration.** By Prof. J. E. B. Mayor. 3s 6d
- The Catiline Orations.** After Halm, by Prof. A. S. Wilkins, Litt.D., LL.D. 2s 6d
- Pro Publio Sestio.** By Rev. H. A. Holden, LL.D. 3s 6d
- Pro Lege Manilia.** By Prof. A. S. Wilkins, Litt.D., LL.D. 2s 6d
- Pro Roscio Amerino.** By E. H. Donkin, M.A. 2s 6d
- Pro Milone.** By F. H. Colson, M.A. [In the Press]
- Cicero in his Letters.** By R. Y. Tyrrell, M.A. 4s 6d
- Demosthenes—De Corona.** By B. Drake, M.A. Revised by E. S. Shuckburgh, M.A. 3s 6d
- Adversus Liptinem.** By Rev. J. R. King, M.A. 2s 6d
- First Philippic.** By Rev. T. Gwatkin, M.A. 2s 6d
- Euripides—Hippolytus.** By J. P. Mahaffy, M.A., and J. B. Bury. 2s 6d
- Iphigenia in Tauris.** By Rev. E. B. England, M.A. 3s
- Medea.** By A. W. Verrall, Litt.D. 2s 6d
- Ion.** By M. A. Bayfield, M.A. 2s 6d
- Bacchæ.** By R. Y. Tyrrell, M.A. 3s 6d
- Herodotus—Book III.** By G. C. Macaulay, M.A. 2s 6d
- Book V.** By J. Strachan, M.A. [In preparation.]
- Book VI.** By the same. 3s 6d
- Book VII.** By Mrs. Montagu Butler. 3s 6d
- Homer—Iliad—The Story of Achilles.** By J. H. Pratt, M.A., and W. Leaf, Litt.D. 5s
- Odyssey, Book IX.** By Prof. J. E. B. Mayor, M.A. 2s 6d
- Odyssey, Books XXI.-XXIV.** By S. G. Hamilton, M.A. 2s 6d
- Horace—The Odes, Books I.-IV.** By T. E. Page, M.A. 5s. Separately, 2s each
- The Satires.** By Prof. Arthur Palmer, M.A. 5s
- The Epistles and Ars Poetica.** By Prof. A. S. Wilkins, Litt.D., LL.D. 5s
- Juvenal—Thirteen Satires.** By E. G. Hardy, M.A. 5s
- Select Satires.** By Prof. J. E. B. Mayor. Satires X. and XI., 3s 6d. XII.-XVI., 4s 6d
- Livy—Books II. and III.** By Rev. H. M. Stephenson, M.A., 3s 6d
- Books XXI. and XXII.** By Rev. W. W. Capes, M.A. 4s 6d
- Books XXIII. and XXIV.** By G. C. Macaulay, M.A. With Maps. 3s 6d
- The Last Two Kings of Macedon.** By F. H. Rawlins, M.A. With Maps. 2s 6d
- Lucretius—Books I.-III.** By J. H. Warburton Lee, M.A. 3s 6d
- Lysias—Select Orations.** By E. S. Shuckburgh, M.A. 5s
- Martial—Select Epigrams.** By Rev. H. M. Stephenson, M.A. 5s
- Ovid—Fasti.** By G. H. Hallam, M.A. 3s 6d
- Heroidum Epistolæ XIII.** By E. S. Shuckburgh, M.A. 3s 6d
- Metamorphoses, Books XIII. and XIV.** By C. Simmons, M.A. 3s 6d
- Plato—The Republic, Books I.-V.** By T. H. Warren, M.A. 5s
- Laches.** By M. T. Tatham, M.A. 2s 6d
- Plautus—Miles Gloriosus.** By Prof. R. Y. Tyrrell. 3s 6d
- Amphitruo.** By A. Palmer, M.A. 3s 6d
- Captivi.** By A. R. S. Hallidie, M.A. 3s 6d.
- Pliny's Letters—Books I. and II.** By J. Cowan, M.A. 3s
- Book III.** By Prof. J. E. B. Mayor. With Life of Pliny by G. H. Rendall, M.A. 3s 6d

MACMILLAN AND CO., LONDON.



# Macmillan & Co.'s Publications.

## CLASSICAL SERIES.

- Plutarch—Life of Themistokles. By Rev. H. A. Holden, LL.D. 3s 6d  
 Lives of Galba and Otho. By E. G. Hardy, M.A. 5s  
 Polybius—The History of the Achæan League. By W. W. Capes, M.A. 5s  
 Propertius—Select Poems. By J. P. Postgate, M.A. 5s  
 Sallust—the Catilina and Jugurtha. By C. Merivale, D.D. 3s 6d. Separately, 2s each  
 Bellum Catulinæ. By A. M. Cook, M.A. 2s 6d  
 Tacitus—Agricola and Germania. By A. J. Church, M.A., and W. J. Brodribb, M.A. 3s 6d. Separately, 2s each  
 The Annals, Book VI. By A. J. Church, M.A., and W. J. Brodribb, M.A. 2s  
 The Histories, Books I. and II. By A. D. Godley, M.A. 3s 6d  
 The Histories, Books III.—V. By the same. 3s 6d  
 Terence—Hauton Timorumenos. By E. S. Shuckburgh. 2s 6d. With translation. 3s 6d.  
 Phormio. By Rev. John Bond, M.A., and Rev. A. S. Walpole, M.A. 2s 6d  
 Adelphi. By Prof. S. G. Ashmore. *[In the press.]*  
 Thucydides—Book II. By E. C. Marchant, M.A. 3s 6d  
 Book IV. By C. E. Graves, M.A. 3s 6d Books VI. and VII. By P. Frost. 3s 6d  
 Book V. By the same. 3s 6d Book VIII. By T. G. Tucker. 3s 6d  
 Virgil—Æneid II. and III. By E. W. Howson, M.A. 2s  
 Xenophon—Hellenica, Books I. and II. By H. Hailstone, M.A. 2s 6d  
 III. and IV. By H. G. Dakyns, M.A. *[In the press.]*  
 Hiero. By Rev. H. A. Holden, M.A., LL.D. 2s 6d  
 Œconomicus. By the same. With Lexicon. 5s  
 Cyropædia. Books VII. and VIII. By Alfred Goodwin, M.A. 2s 6d  
 Anabasis, Books I.—IV. By W. W. Goodwin and J. W. White. 3s 6d  
 Memorabilia Socratis. By A. R. Cluer, B.A. 5s

## CLASSICAL GRAMMAR AND LANGUAGE.

- A Grammar of the Latin Language, from Plautus to Suetonius. By H. J. Roby, M.A.  
 2 Parts. Part I., 9s. Part II., 10s 6d  
 School Latin Grammar. By the same. 5s  
 An Elementary Latin Grammar. By H. J. Roby, M.A., and Prof. A. S. Wilkins. 2s 6d  
 Hints towards Latin Prose Composition. By A. W. Potts, M.A., LL.D. 3s.  
 Passages for Translation into Latin Prose. By the same. Edited, with Notes and  
 References to the above. 2s. Key. 2s 6d  
 Latin Prose Exercises based on Cæsar's Gallic War. By C. Bryans. 2s 6d. Key. 4s 6d  
 Analecta—Passages for Translation. Selected by J. Strachan, and A. S. Wilkins. 5s  
 Latin Prose after the Best Authors. By F. P. Simpson. Cæsarian Prose. 2s 6d. Key. 5s  
 Sermo Latinus. Short Guide to Latin Prose Composition. By J. P. Postgate. 2s 6d. Key. 3s 6d  
 Pantin—A First Latin Verse Book. By W. E. P. Pantin, M.A. 1s 6d. Key. 4s net.  
 Macmillan's Latin Course.  
 First Part. By A. M. Cook, M.A. 3s 6d.  
 Second Part. By A. M. Cook, and W. E. P. Pantin. Enlarged Edition. 4s 6d  
 Macmillan's Shorter Latin Course. By A. M. Cook, M.A. Abridgment of "Macmillan's  
 Latin Course," First Part. 1s 6d (Second Part in prep.) Key. 4s 6d  
 Latin Elegiac Verse Composition. By J. H. Lupton, M.A. 2s 6d. Key. 3s 6d  
 Latin Lyric Verse Composition. By the same. 3s. Key. 4s 6d  
 Macmillan's Greek Course. Edited by Rev. W. G. Rutherford, M.A., LL.D.  
 First Greek Grammar—Accidence. By the Editor. 2s  
 First Greek Grammar—Syntax. By the same. 2s  
 Accidence and Syntax. In one volume. 3s 6d  
 Easy Exercises in Greek Accidence. By H. G. Underhill, M.A. 2s  
 A Second Greek Exercise Book. By Rev. W. A. Heard, M.A. 2s 6d  
 Easy Exercises in Greek Syntax. By Rev. G. H. Nall, M.A. 2s 6d  
 Manuals of Greek Accidence and Syntax. By the Editor. *[In preparation.]*  
 Elementary Greek Composition. By the Editor. *[In preparation.]*  
 Greek Grammar. By Prof. W. W. Goodwin, LL.D. Crown 8vo. 6s  
 First Greek Grammar. By the Rev. W. G. Rutherford, LL.D. In Two Parts. I. Acci-  
 dence, 2s. II. Syntax, 2s. Or in one vol., 3s 6d  
 Syntax of the Moods and Tenses of the Greek Verb. By Prof. Goodwin. New Ed. 8vo. 14s  
 Parallel Passages for Translation from Greek into English and English into Greek.  
 By Rev. Ellis Mackie, M.A. 4s 6d  
 A Short Manual of Philology for Classical Students. By P. Giles, M.A. *[In the press.]*  
 Homeric Dictionary. By Dr. G. Autenrieth. Translated by Dr. Keep. 6s.

MACMILLAN AND CO., LONDON.

# Macmillan & Co.'s Publications.

## CLASSICAL LITERATURE AND ANTIQUITIES.

- Companion to the Iliad for English Readers.** By Walter Leaf, Litt.D. 7s 6d
- Atlas of Classical Archæology.** By Th. Schreiber, with English Text by Prof. W. C. F. Anderson. [In the Press.]
- Mythology and Monuments of Ancient Athens.** By M. de G. Verrall, and Jane E. Harrison. Illustrated. 16s
- The Attic Orators from Antiphon to Isæos.** By Prof. R. C. Jebb, Litt.D., LL.D. 2 vols. 25s
- Social Life in Greece, from Homer to Menander.** By Prof. J. P. Mahaffy, M.A. 9s
- Rambles and Studies in Greece.** With Illustrations. By the same. New Ed. 10s 6d
- Problems in Greek History.** By the same. 7s 6d
- The Greek World under Roman Sway: from Plutarch to Polybius.** By the same. 10s 6d
- Greek Life and Thought: from the Age of Alexander to the Roman Conquest.** By the same. 12s 6d
- A History of Classical Greek Literature.** By the same. Two vols. Vol. I. The Poets, with an Appendix on Homer by Prof. Sayce. In Two Parts. Vol. II. The Prose Writers. In Two Parts. 4s 6d each
- A History of the Later Roman Empire from Arcadius to Irene, A.D. 395-800.** By John B. Bury, M.A. 2 vols. 32s
- A Companion to School Classics.** By James Gow, Litt.D. 2nd Ed. 6s
- Manual of Ancient Geography.** From the German of Dr. Heinrich Kiepert. 5s
- A Primer of Roman Antiquities.** By Prof. Wilkins, Litt.D., LL.D. 1s
- A Primer of Greek Antiquities.** By Prof. J. P. Mahaffy, M.A. Illustrated. 1s
- A Primer of Roman Literature.** By Prof. A. S. Wilkins, Litt.D., LL.D. 1s
- A Primer of Greek Literature.** By Prof. R. C. Jebb, Litt.D., LL.D. 1s

## ENGLISH LITERATURE.

- Primer of English Literature.** By Rev. Stopford Brooke, M.A. 1s
- A History of Elizabethan Literature, 1560-1665.** By George Saintsbury. 7s 6d
- A History of Eighteenth Century Literature, 1660-1780.** By E. Gosse, M.A. 7s 6d
- Chronological Outlines of English Literature.** By F. Ryland, M.A. 6s.

## MATHEMATICS.

### ARITHMETIC.

- Rules and Examples in Arithmetic.** By the Rev. T. Dalton, M.A. With Answers. 2s 6d
- Arithmetic in Theory and Practice.** By J. Brooksmith, M.A. 4s 6d. Key, 10s 6d
- Arithmetic for Beginners.** By J. and E. J. Brooksmith, B.A. 1s 6d. Key, 8s 6d
- Arithmetic for Schools.** By Rev. J. B. Lock, M.A. 4s 6d. Or in Two Parts:—Part I., 2s. Part II., 3s. Key, 10s 6d
- Arithmetic for Beginners.** By the same Author. 2s 6d. Key, 8s 6d
- Arithmetical Exercises and Examination Papers.** With an Appendix containing Questions in Logarithms and Mensuration. By H. S. Hall, M.A., and S. R. Knight, B.A. 2s 6d
- Exercises in Arithmetic for the Use of Schools.** Containing more than 7000 original Examples. By S. Pedley. 5s. Also in Two Parts, 2s 6d each.
- Arithmetic for Schools.** By Barnard Smith, M.A. 4s 6d. Key, 8s 6d
- Higher Arithmetic and Elementary Mensuration.** By P. Goyen. 5s. Key, 10s net

MACMILLAN AND CO., LONDON.



# Macmillan & Co.'s Publications.

## ALGEBRA.

- Elementary Algebra for Schools.** By H. S. Hall, M.A., and S. R. Knight, B.A. 3s 6d.  
With Answers, 4s 6d. Key, 8s 6d
- Algebraical Exercises and Examination Papers.** To accompany the above. By the same Authors. 2s 6d
- Algebra for Beginners.** By the same Authors. 2s. With Answers. 2s 6d
- Higher Algebra.** By the same authors. 7s 6d. Key, 10s 6d
- Elementary Algebra.** By Charles Smith, M.A. 4s 6d. Key, 8s 6d
- A Treatise on Algebra.** By the same. 7s 6d. Key, 10s 6d
- Algebra.** For Colleges and Schools. By Isaac Todhunter, F.R.S. 7s 6d. Key, 10s 6d

## EUCLID AND PURE GEOMETRY.

- Geometrical Treatise on Conic Sections.** By W. H. Drew, M.A. 5s
- A Text-Book of Euclid's Elements.** By H. S. Hall, M.A., and F. H. Stevens, M.A.  
Book I., 1s; Books I. and II., 1s 6d; Books I.-IV., 2s; Books III.-IV., 2s; Books III.-VI., 3s; Books V.-VI. and XI., 2s 6d; Books I.-VI. and XI., 4s 6d; Book XI., 1s.  
Key to Books I.-IV., 6s 6d. Key to VI. and XI., 3s 6d. Key to I.-VI. and XI., 8s 6d
- An Elementary Treatise on Modern Pure Geometry.** By R. Lachlan, M.A. 9s
- Geometrical Conic Sections.** By Asutosh Mukhopadhyaya, M.A. [Ready shortly.]
- The Progressive Euclid.** Books I. and II. With Notes, Exercises, and Deductions.  
Edited by A. T. Richardson, M.A.
- Geometrical Conic Sections.** By Charles Smith, M.A. [In the Press.]
- Introductory Modern Geometry of Point, Ray, and Circle.** By W. B. Smith, A.M.,  
Ph.D. 5s.
- The Elements of Euclid.** By I. Todhunter, F.R.S. 3s 6d. Books I. and II., 1s. Key, 6s 6d
- Exercises in Euclid, Graduated and Systematized.** By W. Weeks. 2s.

## TRIGONOMETRY.

- Trigonometry for Beginners, as far as the Solution of Triangles.** By Rev. J. B. Lock,  
M.A. 2s 6d. Key, 6s 6d
- Elementary Trigonometry.** Sixth Edition. By the same. 4s 6d. Key, 8s 6d
- Higher Trigonometry.** By the same. 4s 6d. Both parts complete in One Vol. 7s 6d
- Trigonometry for Beginners.** By I. Todhunter, F.R.S. 2s 6d. Key, 8s 6d
- Plane Trigonometry.** By the same. 5s. Key, 10s 6d
- Plane Trigonometry.** By the same. Revised by R. W. Hogg, M.A. 5s. [Key in Preparation.]
- A Treatise on Spherical Trigonometry.** By I. Todhunter, F.R.S. 4s 6d
- A Treatise on Spherical Trigonometry.** By W. J. McClelland, M.A., and T. Preston,  
M.A. 8s 6d. Or in two Parts:—Part I., 4s 6d. Part II., 5s
- Elements of Plane Trigonometry.** By R. Levett and C. Davidson. 6s 6d. Or in two  
Parts, 3s 6d each
- Four-Figure Mathematical Tables for Physical Calculation.** By J. T. Bottomley,  
M.A. 8vo. 2s 6d

## ANALYTICAL GEOMETRY.

- Examples for Practice in the Use of Seven Figure Logarithms.** For the Use of  
Colleges and Schools. By J. Wolstenholme, D.Sc. 8vo. 5s
- An Elementary Treatise on Trilinear Co-Ordinates, the Method of Reciprocal Polars,  
and the Theory of Projectors.** By the Rev. N. M. Ferrers, M.A. 6s 6d
- Conic Sections.** By Charles Smith, M.A. 7s 6d. Key, 10s 6d
- An Elementary Treatise on Solid Geometry.** By same Author. 9s 6d

## PROBLEMS AND QUESTIONS IN MATHEMATICS.

- Weekly Problem Papers.** By the Rev. John J. Milne, M.A. 4s 6d. Solutions, 10s 6d
- Companion to "Weekly Problem Papers."** By the same. 10s 6d

MACMILLAN AND CO., LONDON.

# Macmillan & Co.'s Publications.

## HIGHER PURE MATHEMATICS.

- The Differential Calculus.** An Elementary Treatise. By Joseph Edwards, M.A. 14s  
**Differential Calculus for Students.** By the same. 4s 6d  
**A Treatise on Differential Equations.** By Andrew Russell Forsyth, M.A. 14s  
**Introduction to Quaternions.** By P. Kelland, M.A., F.R.S., and P. G. Tait, M.A. 7s 6d  
**Geometry of Position.** By R. H. Graham. 7s 6d  
**Differential and Integral Calculus.** By A. G. Greenhill. 10s 6d  
**A Treatise on the Differential Calculus.** By I. Todhunter, F.R.S. 10s 6d. Key. 10s 6d  
**A Treatise on the Integral Calculus and its Applications.** By the same. 10s 6d.  
 Key. 10s 6d.

## MECHANICS.

- A Treatise on Elementary Statics.** By John Greaves, M.A. 6s 6d  
**Statics for Beginners.** By the same. 3s 6d  
**Elementary Statics.** By the Rev. J. B. Lock, M.A. 3s 6d  
**Elementary Dynamics.** By the same. 3s 6d  
**Mechanics for Beginners.** By the same. Part I. Mechanics of Solids, 2s 6d. Part II. Mechanics of Fluids. *[In the Press.]*  
**Dynamics of Particles and Solids.** By Prof. W. M. Hicks. 6s 6d  
**Hydrostatics for Beginners.** By F. W. Sanderson, M.A. 4s 6d  
**Elementary Hydrostatics.** By A. G. Greenhill. *[In the Press.]*  
**Applied Mechanics.** By Prof. James H. Cotterill, F.R.S. 18s  
**Lessons in Applied Mechanics.** By Prof. J. H. Cotterill, F.R.S., and J. H. Slade. 5s 6d  
**The Mechanics of Machinery.** By A. B. W. Kennedy, F.R.S., M.Inst.C.E. 8s 6d  
**Experimental Mechanics.** By Sir R. S. Ball, LL.D., F.R.S. 6s

## PHYSICS AND CHEMISTRY.

- C. G. S. System of Units and Physical Constants.** By J. D. Everett, M.A. 5s  
**Elements of Physics for Public Schools.** By C. Fessenden. 3s  
**Examples in Physics.** By Prof. D. E. Jones, B.Sc. 3s 6d  
**Elementary Lessons in Heat, Light, and Sound.** By the same. 2s 6d  
**Heat and Light.** By D. E. Jones. 3s 6d  
**The Theory and Practice of Absolute Measurements in Electricity and Magnetism.** By Prof. Andrew Gray, M.A. New Edition. 2 vols. Volume I. 12s 6d  
**Theory of Light.** By T. Preston, M.A. 15s net.  
**Theory of Heat.** By the same. *[In the Press.]*  
**Absolute Measurements in Electricity and Magnetism.** By the same. 5s 6d  
**Questions and Examples in Experimental Physics, Sound, Light, Heat, Electricity, and Magnetism.** By B. Loewy, F.R.A.S. 2s  
**Lessons in Elementary Physics.** By Professor Balfour Stewart. 4s 6d. Questions, 2-  
**Elementary Practical Physics, Lessons in.** By Prof. Balfour Stewart, F.R.S., and W. W. Haldane Gee, B.Sc. Vol. I.—GENERAL PHYSICAL PROCESSES, 6s; Vol. II.—ELECTRICITY AND MAGNETISM, 7s 6d; Vol. III.—OPTICS, HEAT, AND SOUND. *[In the Press.]*  
**On Light.** By Sir G. G. Stokes, F.R.S. 7s 6d  
**Heat.** By Professor P. G. Tait, M.A., Sec.R.S.E. 6s  
**Elementary Lessons in Electricity and Magnetism.** By Prof. S. P. Thompson. 4s 6d  
**Applications of Dynamics to Physics and Chemistry.** By Prof. J. J. Thomson. 7s 6d  
**Lessons in Elementary Chemistry, Inorganic and Organic.** By Sir H. E. Roscoe. 4s 6d  
**Practical Inorganic Chemistry.** By Francis Jones, F.R.S.E. 2s 6d  
**A Series of Chemical Problems. With Key.** By T. E. Thorpe, B.Sc. Revised by W. Tate. 2s  
**Practical Organic Chemistry.** By J. B. Cohen, Ph.D. 2s 6d  
**Practical Metallurgy and Assaying.** By Arthur H. Hiorns. 6s  
**A Text-Book of Elementary Metallurgy for the Use of Students.** By the same. 4s  
**Popular Lectures and Addresses.** By Lord Kelvin. Vol. I. Constitution of Matter. 7s 6d. Vol. III. Navigation. 7s 6d.  
**A Course of Quantitative Analysis for Students.** By Prof. W. N. Hartley, F.R.S. 5s  
**Blowpipe Analysis.** By J. Landauer. Translated by J. Taylor. New Edition. 4s 6d  
**A Text-Book of Inorganic Chemistry.** By Prof. Ira Remsen. Svo. 16s.  
**Organic Chemistry.** By the same. 6s 6d  
**Inorganic Chemistry.** By the same. 6s 6d  
**The Elements of Chemistry.** By the same. New Edition, revised. 2s 6d

MACMILLAN AND CO., LONDON.



# Macmillan & Co.'s Publications

## PHYSICAL GEOGRAPHY, GEOLOGY, & MINERALOGY.

- Text-Book of Geology.** By Sir Archibald Geikie, LL.D., F.R.S., Director General of the Geological Survey of Great Britain. New Edition (1893). 8vo. 28s  
**Class Book of Geology.** By the same. With upwards of 200 new Illusts. Cr. 8vo. 4s 6d  
**Outlines of Field Geology.** Illustrated. By the same. 3s 6d  
**Physiography.** An Introduction to the Study of Nature. By T. Henry Huxley, F.R.S. 6s  
**Elements of Crystallography for Students of Chemistry, Physics, and Mineralogy.** By G. H. Williams, Ph.D. 6s

## BIOLOGY.

- Practical Instruction in Botany, a Course of.** By Prof. Bower, D.Sc., F.L.S. 10s 6d  
*[Abridged Edition in preparation.]*  
**Lessons in Elementary Botany.** By Prof. D. Oliver, F.R.S. 4s 6d  
**A Text-Book of Physiology.** By Prof. M. Foster, F.R.S. Part I., Book I. Blood—The Tissues of Movement—The Vascular Mechanism. Part II., Book II. The Tissues of Chemical Action, with their Respective Mechanisms—Nutrition. 10s 6d. Part III. The Central Nervous System. 7s 6d. Part IV. The Senses and some Special Muscular Mechanisms. The Tissues and Mechanisms of Reproduction. 10s 6d  
**Appendix—The Chemical Basis of the Animal Body.** By A. S. Lea, M.A. 7s 6d  
**The Elements of Embryology.** By Prof. Michael Foster, Sec. R.S., and F. M. Balfour, F.R.S. Edited by Adam Sedgwick, M.A., and Walter Heape. 10s 6d  
**Elementary Practical Physiology and Histology.** By Prof. Michael Foster, M.D., Sec. R.S., etc., and J. N. Langley, M.A., F.R.S. 7s 6d  
**An Atlas of Practical Elementary Biology.** By G. B. Howes. Preface by T. H. Huxley, F.R.S. 14s  
**Lessons in Elementary Physiology.** By T. H. Huxley, F.R.S. 4s 6d. Questions, 1s 6d  
**A Course of Instruction in Zootomy (Vertebrata).** By Prof. T. J. Parker, B.Sc. 8s 6d  
**Lessons in Elementary Biology.** By the same. 10s 6d  
**A Course of Practical Instruction in Elementary Biology.** By T. H. Huxley, F.R.S., assisted by H. N. Martin, M.A. Revised by G. B. Howes, and D. H. Scott, M.A. 10s 6d  
**Text-Book of Comparative Anatomy.** By Dr. Arnold Lang. Translated by H. M. and M. Bernard. 2 vols. 8vo. Vol. I. 17s net. Vol. II. in the Press.

## MEDICINE.

- A Text-Book of Pharmacology, Therapeutics, and Materia Medica.** By T. Lauder Brunton, M.D., D.Sc., F.R.C.P., F.R.S. Adapted to the United States Pharmacopœia, by Francis H. Williams, M.D., Boston, Mass. Third Edition. Adapted to the New British Pharmacopœia, 1885. With additions, 1891. 8vo. 21s, or in 2 Parts, 22s 6d  
**Tables of Materia Medica: A Companion to the Materia Medica Museum.** By the same. New and enlarged Edition. With Illustrations. 5s  
**Micro-Organisms and Disease.** By E. Klein, M.D., F.R.S. With 121 Illustrations. 6s  
**The Bacteria in Asiatic Cholera.** By the same. 5s  
**Text-Book of Pathological Anatomy and Pathogenesis.** By Professor Ernest Ziegler of Tübingen. Translated and Edited by Donald Macalister, M.A., M.D., B.Sc., M.R.C.P. With Illustrations. 8vo. Part I.—GENERAL PATHOLOGICAL ANATOMY. 12s 6d. Part II.—SPECIAL PATHOLOGICAL ANATOMY. Sections I.-VIII. 12s 6d. Sections IX.-XII. 12s 6d  
**A Text-Book of Pathology.** By Prof. D. J. Hamilton, M.B., F.R.C.S.E. Vol. I. 25s  
**Lessons on Prescriptions and the Art of Prescribing.** By W. Handsel Griffiths, Ph.D., L.R.C.P.E. 3s 6d  
**A Text-Book of General Therapeutics.** By W. Hale White, M.D. 8s 6d

## HISTORY.

- Short History of the English People.** By John Richard Green, M.A., LL.D. 161st Thousand. 8s 6d. With Analysis. Part I. 607-1265. Part II. 1264-1553. Part III. 1540-1689. Part IV. 1660-1873. 3s each  
**Analysis of English History,** based on the above. By C. W. A. Tait, M.A. 4s 6d  
**Old English History.** By E. A. Freeman, D.C.L., LL.D. With Maps, 6s  
**History of Federal Government in Greece and Italy.** By E. A. Freeman, D.C.L. New Ed. Edited by J. B. Bury, M.A. 12s 6d  
**New Historical Atlas and General History.** By R. H. Labberton. 15s  
**The History of Commerce in Europe.** By H. de B. Gibbins, M.A. With Maps, 3s 6d

MACMILLAN AND CO., LONDON.

# Macmillan & Co.'s Publications.

## MORAL AND MENTAL PHILOSOPHY.

- First and Fundamental Truths.** Being a Treatise on Metaphysics. By James M'Cosh, D.D., LL.D. 8vo. 9s
- Outlines of the History of Ethics for English Readers.** By Prof. Henry Sidgwick, LL.D. Crown 8vo. 3s 6d
- Handbook of Moral Philosophy.** By the Rev. Prof. H. Calderwood, LL.D. 14th Ed. 6s
- Handbook of Psychology.** By Prof. J. M. Baldwin, M.A., LL.D. Senses and Intellect. 2nd Ed. 12s 6d. Feeling and Will. 12s 6d
- Elements of Psychology.** By the same. 2s 6d
- Outlines of Psychology.** By Prof. H. Höffding. Translated by M. E. Lowndes. 6s
- The Principles of Psychology.** By Prof. Wm. James. 2 vols. 25s net. Abridged Ed. 7s net
- A Text Book of Deductive Logic for the Use of Students.** By P. K. Ray, D.Sc. 4s 6d
- Principles of Empirical or Inductive Logic.** By John Venn, Sc.D., F.R.S., etc. 8vo. 18s
- Principles of Economics.** By Alfred Marshall, M.A. 2 vols. Vol. I. 12s 6d net. Abridged Ed. 3s 6d
- The Scope and Method of Political Economy.** By J. N. Keynes, M.A. 7s net
- The Theory of Political Economy.** By W. S. Jevons, LL.D. Third Edition. 8vo. 10s 6d
- First Lessons in Political Economy.** By F. A. Walker, Ph.D., LL.D. Crown 8vo. 5s

## THEOLOGY.

- The Canon of the Old Testament.** By Rev. H. E. Ryle, B.D. 6s
- The Early Narratives of Genesis.** By the same. 3s net
- The Divine Library of the Old Testament.** By A. F. Kirkpatrick, M.A. 3s net
- A General Survey of the History of the Canon of the New Testament during the First Four Centuries.** By Bishop Westcott. 10s 6d
- Selections from the Early Christian Writers.** By Rev. Prof. Gwatkin. [*In the Press.*]
- Early History of the Christian Church.** By the same [*In prep.*]
- The New Testament in the Original Greek.** The Text Revised by B. F. Westcott, D.D., Bishop of Durham, and F. J. A. Hort, D.D. 2 vols. Cr. 8vo. 10s 6d each. Vol. I., Text. Vol. II., Introduction and Appendix
- The New Testament in the Original Greek, for Schools.** By the same. 12mo, Cloth, 4s 6d. Roan, 5s 6d. 18mo, morocco, gilt edges, 6s 6d
- Greek Lexicon to the Greek Testament.** By W. J. Hickie, M.A. [*In August.*]
- The Gospel according to St. Matthew.** Greek Text with Notes by Rev. A. Sloman, M.A. Fcap. 8vo. 2s 6d
- The Gospel according to St. Luke.** Greek Text. Notes by Rev. John Bond, M.A. 2s 6d
- The Acts of the Apostles.** Greek Text with Notes by T. E. Page, M.A. 3s 6d
- The Bible Word-Book.** A Glossary of Archaic Words and Phrases in the Authorized Version of the Bible and the Book of Common Prayer. By W. Aldis Wright, M.A. 7s 6d

Catalogue of Macmillan's Educational and other Publications Free on Application.

MACMILLAN AND CO., LONDON.



# Murray's University Extension Manuals.

Edited by Professor KNIGHT, of St. Andrew's University.

**THE REALM OF NATURE: a Manual of Physiography.** By Dr. H. R. MILL. Coloured Maps and Illustrations. 5s.

**THE ELEMENTS OF ETHICS.** By JOHN H. MURHEAD, Balliol College, Oxford. 3s.

**THE USE AND ABUSE OF MONEY.** By Prof. W. CUNNINGHAM, D.D., Fellow of Trin. Coll., Cambridge. 3s.

**THE STUDY OF ANIMAL LIFE.** By J. ARTHUR THOMSON, University of Edinburgh. With many Illustrations. 5s.

**THE FRENCH REVOLUTION.** By C. E. MALLET, Balliol Coll., Oxford. 3s. 6d.

**THE RISE OF THE BRITISH DOMINION IN INDIA.** By SIR ALFRED LYALL, K.C.B. With Coloured Maps. 4s. 6d.

**LOGIC, INDUCTIVE AND DEDUCTIVE.** By WILLIAM MINTS. With Diagrams. 4s. 6d.

**FRENCH LITERATURE.** By H. KEENE. 3s.

**THE PHILOSOPHY OF THE BEAUTIFUL.** PARTS I. and II. By Professor KNIGHT. 3s. 6d. each.

**ENGLISH COLONIZATION AND EMPIRE.** By A. CALDECOTT, Coloured Maps and Plans. 3s. 6d.

**THE FINE ARTS.** By Prof. BALDWIN BROWN. Illustrations. 3s. 6d.

**AN INTRODUCTION TO MODERN GEOLOGY.** By Dr. R. D. ROBERTS, sometime Fell. of Clare Coll., Camb. Coloured Maps and Illustrations. 5s.

**THE PHYSIOLOGY OF THE SENSES.** By Prof. MCKENDRICK, and Dr. SNODGRASS. With Illustrations. 4s. 6d.

**OUTLINES OF MODERN BOTANY.** By Prof. P. GEDDES, University Coll., Dundee. [Shortly.]

## Mr. Murray's List of School Books.

### SIR WM. SMITH'S EDUCATIONAL COURSE.

Young Beginner's Latin Course.

*A New Series.*

**I. FIRST LATIN BOOK.** Grammar, Easy Questions, Exercises, and Vocabulary. 2s.

**II. SECOND LATIN BOOK.** An Easy Reading Book, with Analysis of Sentences. 2s.

**III. THIRD LATIN BOOK.** Easy Exercises on the Syntax, with Vocabulary. 2s.

**IV. A FOURTH LATIN BOOK.** A Vocabulary for Beginners. 2s.

*PRINCIPIA SERIES.*

**PRINCIPIA LATINA.**

\* **PART I.** Grammar, Delectus, Exercises, and Vocabulary. 3s. 6d.

\* *Appendix to Part I.* Additional Exercises and Examination Papers. 2s. 6d.

\* **PART II.** A First Reading Book. 3s. 6d.

\* **PART III.** A First Latin Verse Book. 3s. 6d.

\* **PART IV.** Latin Prose Composition. 3s. 6d.

\* **PART V.** Short Tales and Anecdotes for Translation into Prose. New Ed. 3s. 6d.

**STUDENTS' LATIN GRAMMAR.** 6s.

**SMALLER LATIN GRAMMAR.** 3s. 6d.

**A CHILD'S FIRST LATIN BOOK.** By T. D. HALL. Revised and Enlarged Edition. 2s.

### GREEK COURSE.

**INITIA GRÆCA.**

\* **PART I.** Grammar, Delectus, Exercises, and Vocabulary. 3s. 6d.

\* *Appendix to Part I.* Additional Exercises and Examination Papers. 2s. 6d.

\* **PART II.** A Greek Reading Book. 3s. 6d.

\* **PART III.** Prose Composition. 3s. 6d.

**STUDENTS' GREEK GRAMMAR.** 6s.

**SMALLER GREEK GRAMMAR.** 3s. 6d.

\* Keys to these Works supplied to authenticated teachers on written application.

LONDON: JOHN MURRAY, ALBEMARLE STREET, W.

### ENGLISH COURSE.

\* **ENGLISH GRAMMAR.** 3s. 6d.

\* **PRIMARY ENGLISH GRAMMAR.** With Exercises and Questions. 1s.

**PRIMARY HISTORY OF BRITAIN.** Down to 1800. Thoroughly Revised Edition. Coloured Map. 2s. 6d.

**MODERN GEOGRAPHY.** 5s.

**SMALLER MODERN GEOGRAPHY.** 2s. 6d.

**ENGLISH COMPOSITION.** 3s. 6d.

### FRENCH COURSE.

**FRENCH PRINCIPIA.**

\* **PART I.** Grammar, Exercises, Vocabulary Materials for Conversation. 3s. 6d.

\* *Appendix to Part I.* Additional Exercises and Examination Papers. 2s. 6d.

\* **PART II.** A French Reading Book: with Etymological Dictionary. 4s. 6d.

\* **PART III.** Prose Composition. 4s. 6d.

**STUDENTS' FRENCH GRAMMAR.** With an Introduction by M. LITTRE. 6s.

**SMALLER FRENCH GRAMMAR.** 3s. 6d.

### GERMAN COURSE.

**GERMAN PRINCIPIA.**

\* **PART I.** Grammar, Exercises, Vocabulary Materials for Conversation. 3s. 6d.

\* **PART II.** Reading Book, Dictionary. 3s. 6d.

**PRACTICAL GERMAN GRAMMAR.** 3s. 6d.

### ITALIAN COURSE.

**ITALIAN PRINCIPIA.**

\* **PART I.** Grammar, Delectus, Exercises, Vocabulary Materials for Conversation. 3s. 6d.

\* **PART II.** An Italian Reading Book. 3s. 6d.

# CLARENDON PRESS EDUCATIONAL WORKS.

## WORKS BY HENRY SWEET, M.A., PH.D., LL.D.

**A New English Grammar, Logical and Historical.** Part I.—Introduction, Phonology, and Accidence. Crown 8vo, 10s. 6d.

**A Short Historical English Grammar.** Extra fcap. 8vo, 4s. 6d.

**A Primer of Historical English Grammar.** Extra fcap. 8vo, 2s.

**History of English Sounds from the Earliest Period.** With full Word-Lists. 8vo, 14s.

**An Anglo-Saxon Primer.** With Grammar, Notes, and Glossary. Sixth Edition. Extra fcap. 8vo, 2s. 6d.

**An Anglo-Saxon Reader.** In Prose and Verse. With Grammatical Introduction, Notes, and Glossary. Sixth Edition, Revised and Enlarged. Extra fcap. 8vo, 8s. 6d.

**A Second Anglo-Saxon Reader.** Extra fcap. 8vo, 4s. 6d.

**A Primer of Phonetics.** Extra fcap. 8vo, 3s. 6d.

**Old English Reading Primers :**

I. Selected Homilies of Ælfric. Stiff covers, 1s. 6d.

II. Extracts from Alfred's Orosius. Stiff covers. Second Edition. 2s.

**First Middle English Primer.** With Grammar and Glossary. Extra fcap. 8vo, 2s.

**Second Middle English Primer.** Extracts from Chaucer, with Grammar and Glossary. Second Edition. Extra fcap. 8vo, 2s. 6d.

**Elementarbuch des Gesprochenen Englisch.** Grammatik, Texte, und Glossar. Third Edition. Extra fcap. 8vo, stiff covers, 2s. 6d.

**A Primer of Spoken English.** Extra fcap. 8vo, 3s. 6d.

**An Icelandic Primer.** With Grammar, Notes, and Glossary. Extra fcap. 8vo, 3s. 6d.

**A Manual of Current Shorthand, Orthographic and Phonetic.** Crown 8vo, 4s. 6d.

## MODERN LANGUAGES.

**Grammar of the Dano-Norwegian Language.** By J. Y. Sargent, M.A., Fellow of Hertford College. Crown 8vo, 7s. 6d.

**Russian—A Grammar of the Russian Language.** By W. R. Morfill, M.A. Crown 8vo, 6s.

**Finnish—A Finnish Grammar.** By C. N. E. Eliot, M.A. Crown 8vo, roan, 10s. 6d.

**Bengali—Grammar of the Bengali Language.** Literary and Colloquial. By John Beames. Crown 8vo, cloth, 4s. 6d.

**Arabic—A Practical Arabic Grammar.**

Part I. Compiled by A. O. Green, Brigade Major, Royal Engineers. Second Edition, Enlarged. Crown 8vo, 7s. 6d. Part II. Second Edition. *[In the press.]*

**Tamil—First Lessons in Tamil.** By G. U. Pope, D.D. Fifth Edition. Crown 8vo, 7s. 6d.

**Melanesian—The Melanesian Languages.** By Robert H. Codrington, D.D., of the Melanesian Mission. 8vo, 18s.

## INDIAN HISTORY FOR THE PEOPLE.

**Rulers of India.** The History of the Indian Empire, in a carefully planned succession of Political Biographies. Edited by Sir William Wilson Hunter, K.C.S.I. In Crown 8vo. Half-crown volumes.

### NEW VOLUMES.

**Aurangzib, and the Decay of the Mughal Empire.** By Stanley Lane-Poole, B.A., Author of "The Catalogue of Oriental and Indian Coins in the British Museum," "The Life of Visct. Stratford de Redcliffe," etc.

**The Marquess of Hastings, K.G., and the Final Overthrow of the Maratha Power.** By Major Ross-of-Bladensburg, C.B.

"Major Ross-of-Bladensburg treats his subject skilfully and attractively."—*The Times*.

"As readable as it is instructive."—*Globe*.

"Entitled to rank with the best of the series."—*English Mail*.

"Instinct with interest."—*Glasgow Evening News*.

Uniform with "Rulers of India" Series.

**James Thomason.** By Sir Richard Temple, Bart., M.P., formerly Lieutenant-Governor of Bengal and Governor of Bombay. With Portrait. 3s. 6d.

"Sir R. Temple's book possesses a high value as a dutiful and interesting memorial of a man of lofty ideals, whose exploits were none the less memorable because achieved exclusively in the field of peaceful administration."—*Times*.

Full Catalogues Post Free on Application.

London: HENRY FROWDE, Clarendon Press Warehouse, Amen Corner, F.C.



# Clarendon Press List of Standard Educational Works.

## GREEK.

Extra fcap. 8vo, cloth (*except where otherwise described*).

- A Greek Prose Primer.** By J. Y. Sargent, M.A. 3s. 6d.
- Wordsworth's Greek Grammar.** Nineteenth Edition. 3s.
- Wordsworth's Greek Primer.** Seventh Edition. 1s. 6d.
- Graduated Greek Readers:**  
**First.** By W. G. Rushbrooke, M.L. Second Edition. 2s. 6d.  
**Second.** By A. M. Bell, M.A. Second Edition. 3s. 6d.
- Aeschylus: Prometheus Bound.** By A. Prickard, M.A. Second Edition. 2s.
- **Agamemnon.** By A. Sidgwick, M.A. Third Edition. 2s.
- **Eumenides.** By the Same. 3s.
- **Choephoroi.** By the Same. 3s.
- Demosthenes. Orations against Philip.** By E. Abbott, M.A., and P. E. Matheson, M.A. Vol. I., 3s.; Vol. II., 4s. 6d.
- Euripides. Medea.** By C. B. Heberden, M.A. 2s.
- **Hecuba.** By C. H. Russell, M.A. 2s. 6d.
- **Cyclops.** By W. E. Long, M.A. 2s. 6d.
- Herodotus.** Book IX. By E. Abbott, M.A. 3s.
- Homer. Iliad.** Books I.-XII. By D. B. Monro, M.A., LL.D. Second Edition. 6s. Book I., separately. Second Edition. 2s.
- Books XIII.-XXIV. By same Editor. 6s.
- Homer for Beginners. Iliad.** Book III. By M. T. Tatham, M.A. 1s. 6d.
- Lysias. Epitaphios.** By F. J. Snell. 2s.
- Sophocles.** By L. Campbell, M.A., and E. Abbott, M.A. Introduction and Text, 4s. 6d. Notes, 6s. In Single Plays. Oedipus Tyrannus, Philoctetes. 2s. each.—Oedipus Coloneus, Antigone. 1s. 9d. each. Ajax, Electra, Trachiniae. 2s. each.
- Sophocles. Oedipus Rex:** Dindorf's Text, with Notes by Bishop of S. David's. 1s. 6d.
- Theocritus (for Schools).** By H. Kynaston, D.D. Fifth Edition. 4s. 6d.

Demy 8vo.

- Sophocles: The Plays and Fragments.** By L. Campbell, M.A. 2 vols. Vol. I. Oedipus Tyrannus, Oedipus Coloneus, Antigone. Second Edition. 16s. Vol. II. Ajax, Electra, Trachiniae, Philoctetes, Fragments. 16s.
- Homer. Odyssey.** Books I.-XII. By W. W. Merry, D.D., and the late J. Riddell, M.A. Second Edition. 16s.
- A Grammar of the Homeric Dialect.** By D. B. Monro, M.B., LL.D. Second Edition. 14s.

Full Catalogues Post Free on Application.

London: HENRY FROWDE, Clarendon Press Warehouse, Amen Corner, E.C.

- Plato. The Apology.** By St. George Stock, M.A. 2s. 6d.
- Plato. The Meno.** By same Editor. 2s. 6d.
- Plato. The Crito.** By same Editor. 2s.
- Plato. Selections from the Dialogues.** By John Purves, M.A. Preface by Prof. B. Jowett. Second Edition. 5s.
- Plutarch. Lives of the Gracchi.** By G. E. Underhill, M.A. Crown 8vo, 4s. 6d.
- Xenophon. Selections (for Schools).** By J. S. Philpotts, B.C.L. Fourth Edition. 3s. 6d.
- Xenophon. Anabasis.** Books I. and III. With Notes. By J. Marshall, M.A. 2s. 6d. each.
- Xenophon. Cyropædia.** Book I. By C. Bigg, D.D. 2s.
- Books IV. and V. By same Editor. 2s. 6d.
- Xenophon. Hellenica.** Books I. and II. By G. E. Underhill, M.A. 3s.

By C. S. JERRAM, M.B.

- Euripides. Alcestis (for Schools).** 2s. 6d.
- Euripides. Helena (for Upper and Middle Forms).** 3s.
- Euripides. Heracleidae.** 3s.
- Euripides. Iphigenia in Tauris.** 3s.
- Cebes. Tabula.** 2s. 6d.

By W. W. MERRY, D.D.

- Herodotus. Selections from.** 2s. 6d.
- Homer. Odyssey (for Schools).** Books I.-XII. Forty-Fifth Thousand. 5s.
- Books VII.-XII. 3s.
- Books I. and II. 1s. 6d. each.
- Books XIII.-XXIV. 5s.
- Aristophanes. In Single Plays.** With Notes, etc.
- The Acharnians.** Third Edition. 3s.
- The Clouds.** Third Edition. 3s.
- The Frogs.** Third Edition. 3s.
- The Knights.** Third Edition. 3s.
- The Birds.** 3s. 6d.

By Professor JOWETT, M.A.

- The Politics of Aristotle.** Translated, with Introduction, Marginal Analysis, Notes, and Indices. 2 vols. 21s.
- Plato. The Republic.** Translated, with Analysis and Introduction. Third Edition. 12s. 6d.
- Thucydides.** Translated, with Introduction and Notes, etc. 2 vols. 32s.

# Clarendon Press List of Standard Educational Works.

## GEOGRAPHICAL WORKS.

**History of the Dominion of Canada.** By W. Parr Greswell, M.A., under the auspices of the Royal Colonial Institute. With Eleven Maps. Crown 8vo, 7s. 6d.

**Geography of the Dominion of Canada and Newfoundland.** By the same Author. With Ten Maps. Crown 8vo, 6s.

**Geography of Africa South of the Zambezi.** By the same Author. With Maps. Crown 8vo, 7s. 6d.

**Introduction to a Historical Geography of the British Colonies.** By C. P. Lucas, B.A. With Eight Maps. Crown 8vo, 4s. 6d.

**Historical Geography of the British Colonies.** By the same Author.

Vol. I.—The Mediterranean and Eastern Colonies (exclusive of India). With Eleven Maps. 5s.

Vol. II.—The West Indian Colonies. With Twelve Maps. 7s. 6d.

## LATIN AND GREEK.

### NEW CLASSICAL TEXTS.

**Euripides. Cyclops.** Edited by W. E. Long, M.A. 2s. 6d.

— **Hecuba.** Edited by C. H. Russell, M.A. 2s. 6d.

**Plato.** With Introduction and Notes. By St. George Stock, M.A. Extra fcap. 8vo.

**The Apology.** 2s. 6d.

**Crito.** 2s.

**Meno.** 2s. 6d.

**Theocritus** (for Schools). With English Notes. By H. Kynaston, D.D. (late Snow). Fifth Edition, extra fcap. 8vo, 4s. 6d.

**Xenophon. Memorabilia.** Edited, with Introduction and Notes, etc., by J. Marshall, M.A. Extra fcap. 8vo, 4s. 6d.

**Cicero pro Milone.** With Notes, etc. By A. B. Poynton, M.A. Extra fcap. 8vo, 2s. 6d.

**Cicero pro Roscio.** With Notes. By St. George Stock, M.A. Extra fcap. 8vo, 3s. 6d.

**Horace. Odes. Book I.** Edited by E. C. Wickham, M.A. Extra fcap. 8vo, 2s.

**P. Vergili Maronis Opera.** Vergil, with an Introduction and Notes. By T. L. Papillon, M.A., formerly Fellow and Tutor of New College; and A. E. Haigh, M.A., late Fellow of Hertford, Classical Lecturer at Corpus Christi and Wadham Colleges, Oxford. 2 vols., crown 8vo, 12s.

**Latin Prose Composition.** By G. G. Ramsay, M.A., LL.D. Third Edition, in 2 vols., extra fcap. 8vo, 4s. 6d. each.

\* A KEY to Vol. I., price 5s. Supplied to Teachers only, on application to the Secretary, Clarendon Press.

## THEOLOGY.

**Enoch.—The Book of Enoch.** Translated from Professor Dillmann's Ethiopic Text. Emended and Revised in accordance with hitherto uncollated Ethiopic MSS., and with Gizeh and other Greek and Latin fragments, which are here published in full. Edited, with Introduction, Notes, Appendices, and Indices, by R. H. Charles, M.A., Trinity College, Dublin, and Exeter College, Oxford. Demy 8vo, 16s.

**St. Basil.—The Book of St. Basil on the Holy Spirit.** A Revised Text, with Notes and Introduction by C. F. H. Johnston, M.A. Crown 8vo, 7s. 6d.

**Canons of the First Four General Councils of Nicæa, Constantinople, Ephesus, and Chalcedon.** With Notes by W. Bright, D.D. Second Edition. Crown 8vo, 7s. 6d.

**Tertulliani Apologeticus adversus Gentes pro Christianis** Edited, with Introduction and Notes, by T. Herbert Bindley, M.A. Crown 8vo, 6s.

**Lectures on the Book of Job.** By George Granville Bradley, D.D., Dean of Westminster. Crown 8vo, 7s. 6d.

**Lectures on Ecclesiastes.** By the Same. Crown 8vo, 4s. 6d.

**The Greek Testament, with the Readings adopted by the Revisers of the Authorised Version :—**

- (1) Pica Type, with Marginal References. Demy 8vo, 10s. 6d.
- (2) Long Primer Type. Fcap. 8vo, 4s. 6d.
- (3) The Same, on Writing Paper, with wide Margin. 15s.

*Full Catalogues Post Free on Application.*

London: HENRY FROWDE, Clarendon Press Warehouse, Amen Corner, E.C.



# Clarendon Press List of Standard Educational Works.

## ENGLISH.

*New Part. Now Ready.*

CONSIGNIFICANT-CROUCHING, Vol. II. Part 7. 12s. 6d.

**A New English Dictionary on Historical Principles.** Edited by James A. H. Murray, LL.D., and H. Bradley, M.A. Vol. I. A.-B., 52s. 6d. (Also still sold in Parts.) Vol. II. C.-CASS., 5s.; CAST.-CLIVY, 12s. 6d.; CLO.-CONSIGNER, 12s. 6d. (The remaining parts of Vol. II. are in active preparation.) Vol. III., Part I., E.-EVERY, 12s. 6d. By Prof. SKEAT, Litt.D.

**An Etymological Dictionary of the English Language,** arranged on a Historical Basis. Second Edition. 4to, 44s.

A Supplement to the First Edition, 2s. 6d.

**A Concise Etymological Dictionary of the English Language.** Fourth Edition. Crown 8vo, 5s. 6d.

**Principles of English Etymology.** Crown 8vo. Part I., The Native Element. Second Edition. 9s. Part II., The Foreign Element, 10s. 6d.

**Specimens of English Literature** (A.D. 1304 to A.D. 1579). With Notes. Fifth Edition. 7s. 6d.

**The Vision of William concerning Piers the Plowman.** By William Langland. Sixth Edition. 4s. 6d.

**Chaucer. Prologue to the Canterbury Tales.** (School Edition.) 1s.

**Chaucer. The Prioresse Tale; Sir Thopas; The Monkes Tale; The Clerkes Tale; The Squieres Tale, &c.** Fifth Edition. 4s. 6d.

**Chaucer. The Tale of the Man of Lawe; The Pardoner's Tale; The Second Nonnes Tale; Chaucer's Yeman's Tale.** New Edition. 4s. 6d.

**Chaucer. Minor Poems.** Crown 8vo, 10s. 6d.

**Chaucer. The Legend of Good Women.** Crown 8vo, 6s.

**Shakespeare—Select Plays.** By W. G. Clark, M.A., and W. Aldis Wright, M.A. Stiff covers.

**The Merchant of Venice.** 1s. | **Hamlet.** 2s.  
**Richard the Second.** 1s. 6d. | **Macbeth.** 1s. 6d.

**Shakespeare—Selected Plays.** By W. Aldis Wright, M.A.

**The Tempest.** 1s. 6d. | **A Midsummer Night's Dream.** 1s. 6d.

**As You Like It.** 1s. 6d. | **Coriolanus.** 2s. 6d.

**Julius Caesar.** 2s. | **Henry the Fifth.** 2s.

**Richard the Third.** 2s. 6d. | **Twelfth Night.** 1s. 6d.

**King Lear.** 1s. 6d. | **King John.** 1s. 6d.

**Henry the Eighth.** 2s.

**Cannan. Elementary Political Economy.** By Edwin Cannan, M.A., Balliol College, Oxford. Extra fcap. 8vo, 1s.

**Raleigh. Elementary Politics.** By Thos. Raleigh, M.A., Fellow of All Souls' College, Oxford. Extra fcap. 8vo, 1s.

"There is a thoroughly healthy tone about this little work which ought to recommend it to all parties."—*The Times*.

By Prof. EARLE.

**The Deeds of Beowulf: An English Epic of the Eighth Century,** done into Modern Prose, with Introduction and Notes. Crown 8vo, 8s. 6d.

**The Philology of the English Tongue.** Fifth Edition. Newly Revised. 8s. 6d.

**A Book for the Beginner in Anglo-Saxon.** Third Edition. 2s. 6d.

**Synopsis of Old English Phonology.** By A. L. Mayhew, M.A. 8s. 6d.

**A Concise Dictionary of Middle English.** By Mayhew and Skeat. 7s. 6d.

**Cowper. With Life, Notes, &c.** By H. T. Griffith. In 2 vols., each 3s.

**Gray. Select Poems.** Edited with a Sketch of his Life, by Edmund Gosse. Stiff covers, 1s. 6d. Parchment, 3s.

— **Edition for Schools.** With Notes by Foster Watson, M.A. 1s. 6d.

**Steele. Selections from the Tatler, Spectator, and Guardian.** By Austin Dobson. 5s. Parchment, 7s. 6d.

**Byron's Childe Harold.** Edited by H. F. Tozer, M.A. Second Edition. 3s. 6d. Parchment, 5s.

**Goldsmith. Selected Poems.** Edited by Austin Dobson. Extra fcap. 8vo, cloth, 3s. 6d. In white parchment, 4s. 6d.

**Goldsmith. The Traveller.** By G. B. Hill. 1s.

**Scott. Marmion.** By T. Bayne. 3s. 6d.

**Scott. Lay of the Last Minstrel.** By W. Minto. Stiff covers, 2s. Parchment, 3s. 6d.

**Scott. Lady of the Lake.** By the Same. 3s. 6d.

**Burns. Selected Poems.** Edited by J. Logie Robertson, M.A. 6s.

**Wordsworth. The White Doe of Rylstone, &c.** Edited by William Knight, LL.D. 2s. 6d.

**Shelley. Adonais.** Edited by W. M. Rossetti. 5s.

**Campbell. Gertrude of Wyoming.** Edited by H. Macaulay FitzGibbon. 1s.

*Full Catalogues Post Free on Application.*

London: HENRY FROWDE, Clarendon Press Warehouse, Amen Corner, E.C.

# CAMBRIDGE UNIVERSITY PRESS.

## STANDARD CLASSICAL WORKS.

- The Cambridge Homer**—Homer's *Odyssey*. The Text, Edited in accordance with Modern Criticism by Arthur Platt, M.A., late Fellow of Trinity College, Cambridge. Crown 8vo, cloth, 4s 6d; strongly half bound, 6s.
- The Cambridge Homer**—Homer's *Iliad*. By the same Editor [In preparation.]
- Sophocles: The Plays and Fragments**, with Critical Notes, Commentary, and Translation in English Prose. By R. C. Jebb, Litt.D., LL.D., Regius Professor of Greek in the University of Cambridge. Demy 8vo.
- |  |                                   |
|--|-----------------------------------|
| Part I. OEDIPUS TYRANNUS. 2nd Ed. 12s 6d.  | Part IV. PHILOCTETES. 12s 6d.     |
| Part II. OEDIPUS COLONEUS. 2nd Ed. 12s 6d. | Part V. TRACHINIAE. 12s 6d.       |
| Part III. ANTIGONE. 2nd Ed. 12s 6d.        | Part VI. ELECTRA. [In the Press.] |
- Euripides.—Bacchæ.** With Critical and Explanatory Notes, and with numerous Illustrations from Works of Ancient Art. By J. E. Sandys, Litt.D., Fellow and Tutor of St. John's College, and Public Orator in the University of Cambridge. Third Edition. Crown 8vo, cloth, gilt top, 12s 6d.
- Pronunciation of Ancient Greek**, translated from the Third German Edition of Dr. Blass by W. J. Purton, B.A., Pembroke College, Cambridge. Demy 8vo, 6s.
- An Introduction to Greek Epigraphy.** Part I. The Archaic Inscriptions and the Greek Alphabet. By E. S. Roberts, M.A., Fellow and Tutor of Gonville and Caius College. With Illustrations. Demy 8vo, 18s.
- Engraved Gems of Classical Times**, with a Catalogue of the Gems in the Fitzwilliam Museum. By J. Henry Middleton, M.A., Slade Professor of Fine Art. Royal 8vo, buckram, 12s 6d.
- Greek Coins, Types of.** By Percy Gardner, Litt.D., F.S.A., late Disney Professor of Archaeology. With 16 Autotype Plates, containing Photographs of Coins of all parts of the Greek World. Impl. 4to, cloth extra, £1 11s 6d; Roxburgh (Morocco back), £2 2s.
- Pheidias, Essays on the Art of.** By C. Waldstein, Litt.D., Phil.D., Reader in Classical Archaeology in the University of Cambridge. Royal 8vo. With numerous Illustrations. 16 Plates. Buckram, 30s.
- Chronological Tables of Greek History.** Accompanied by a short narrative of events, with reference to the sources of information and extracts from the ancient authorities. By Carl Peter. Translated from the German by G. Chawner, M.A., Fellow of King's College, Cambridge. Demy 4to, 10s.
- The Speech of Demosthenes against the Law of Leptines.** A Revised Text, with an Introduction, Critical and Explanatory Notes, and an Autotype Facsimile from the Paris MS. By J. E. Sandys, Litt.D., Public Orator in the University of Cambridge. Demy 8vo, 9s.
- Select Private Orations of Demosthenes.** With Introductions and English Notes. By F. A. Paley, M.A., and J. E. Sandys, Litt.D.
- |  |
|--|
| Part I.—Containing Contra Phormionem, Laeritum, Pantaenetum, Boeotum de Nomine, Boeotum de Dote, Dionysodorum. New Edition. Crown 8vo, 6s. |
| Part II.—Containing Pro Phormione, Contra Stephanum I., II., Nicostratum, Cononem, Calliclem. New Edition. Crown 8vo, 7s 6d.               |
- Demosthenes against Androtion and against Timocrates.** With Introductions and English Commentary. By W. Wayte, M.A. Crown 8vo, 7s 6d.
- Pindar.—The Isthmian and Nemean Odes.** With Notes, Explanatory and Critical, Introductions and Introductory Essays. Edited by C. A. M. Fennell, Litt.D. Cr. 8vo, 9s.
- Aristotle.—The Rhetoric.** With a Commentary by the late E. M. Cope. Revised and Edited by J. E. Sandys, Litt.D. Three Vols. Demy 8vo, 21s.
- Aristotle.—ΠΕΡΙ ΨΥΧΗΣ.** Aristotle's Psychology in Greek and English. With Introduction and Notes. By E. Wallace, M.A. Demy 8vo, 18s.
- M. T. Ciceronis de Natura Deorum Libri Tres.** With Introduction and Commentary. By J. B. Mayor, M.A. Demy 8vo. Vol. I., 10s 6d. Vol. II., 12s 6d. Vol. III., 10s.
- M. Tulli Ciceronis ad M. Brutum Orator.** A Revised Text. Edited with Introductory Essays and Critical and Explanatory Notes, by J. E. Sandys, Litt.D. Demy 8vo, 16s.
- Cicero.—De Finibus Bonorum et Malorum Libri Quinque.** The Text Revised and Explained, with a Translation. By J. S. Reid, Litt.D. Three Vols. [In the Press.]
- Now Ready, Vol. III., containing the Translation. Demy 8vo, 8s.
- Cicero de Officiis Libri Tres.** With Introduction, Analysis, and Commentary. By H. A. Holden, LL.D. Seventh Edition. Crown 8vo, 9s. Book III., separately, 2s.

London: C. J. CLAY & SONS, Cambridge University Press Warehouse, Ave Maria Lane; Glasgow: 263 Argyle Street.



# CAMBRIDGE UNIVERSITY PRESS.

## STANDARD WORKS ON SCIENCE.

- A Treatise on the Theory of Functions of a Complex Variable.** By A. R. Forsyth, Sc.D., F.R.S., Fellow of Trinity College, Cambridge. Royal 8vo. 21s net.
- Theory of Differential Equations.** Part I. Exact Equations and Pfaff's Problem. By A. R. Forsyth, D.Sc., F.R.S. Demy 8vo, 12s.
- A Treatise on the Mathematical Theory of Elasticity.** By A. E. H. Love, M.A., Fellow of St. John's College, Cambridge. In 2 Vols. Vol. I., 12s.
- A Treatise on Analytical Statics.** By E. J. Routh, Sc.D., F.R.S., Fellow of the University of London, Honorary Fellow of Peterhouse, Cambridge. Demy 8vo. Vol. I., 14s. Vol. II., 10s.
- A Treatise of Plane Trigonometry.** By E. W. Hobson, M.A., Fellow of Christ's College, and University Lecturer on Mathematics. Demy 8vo, 12s.
- A Treatise on Thermodynamics.** By J. Parker, M.A., Fellow of St. John's College, Cambridge. Crown 8vo, 9s.
- A Treatise on Elementary Dynamics.** By S. L. Loney, M.A., late Fellow of Sidney Sussex College. Crown 8vo. Second Edition, enlarged. 7s 6d. SOLUTIONS to the Examples in the above. By the same Author. Crown 8vo, 7s 6d.
- A Treatise on Natural Philosophy.** By Lord Kelvin (Sir W. Thomson, LL.D., D.C.L., F.R.S.), and P. G. Tait, M.A. Part I., Demy 8vo, 16s. Part II., Demy 8vo, 18s.
- Elements of Natural Philosophy.** By Lord Kelvin (Sir W. Thomson) and P. G. Tait. Demy 8vo, 9s.
- A Treatise on Geometrical Optics.** By R. S. Heath, M.A., Professor of Mathematics in Mason Science College, Birmingham. Demy 8vo, 12s 6d.
- An Elementary Treatise on Geometrical Optics.** By R. S. Heath, M.A. Crown 8vo, 5s.
- An Elementary Treatise on Quaternions.** By P. G. Tait, M.A. Third Edition, much enlarged. Demy 8vo, 18s.
- A Treatise on the Theory of Determinants and their Application in Analysis and Geometry.** By R. F. Scott, M.A. Demy 8vo, 12s.
- A Treatise on the General Principles of Chemistry.** By M. M. Pattison Muir, M.A. New Edition. Demy 8vo, 15s.
- Elementary Chemistry.** By M. M. Pattison Muir, M.A., and Charles Slater, M.A., M.B. Crown 8vo, 4s 6d.
- Practical Chemistry.** A Course of Laboratory Work. By M. M. Pattison Muir, M.A., and J. D. Carnegie, B.A. Crown 8vo, 3s.
- Notes on Qualitative Analysis.** Concise and Explanatory. By H. J. H. Fenton, M.A., F.I.C., F.C.S. New Edition. Crown 4to, 6s.

## PITT PRESS MATHEMATICAL SERIES.

- The Elements of Statics and Dynamics.** By S. L. Loney, M.A., late Fellow of Sidney Sussex College. Second Edition, 7s 6d. Or in separate Parts:—  
Part I., The Elements of Statics. 4s 6d.  
Part II., The Elements of Dynamics. 3s 6d.
- Solutions of the Examples in the Elements of Statics and Dynamics.** By S. L. Loney, M.A.
- Mechanics and Hydrostatics for Beginners.** By S. L. Loney, M.A. 4s 6d.
- An Elementary Treatise on Plane Trigonometry.** By E. W. Hobson, M.A., Fellow of Christ's College, Cambridge, and University Lecturer in Mathematics, and C. M. Jessop, M.A., Fellow of Clare College, and Assistant Master at Reading School. 4s 6d.
- Arithmetic for Schools.** (With or without Answers.) By C. Smith, M.A., Master of Sidney Sussex College, Cambridge. 3s 6d.
- Elementary Algebra.** With Answers to the Examples. By W. W. Rouse Ball, M.A., Fellow and Mathematical Lecturer of Trinity College, Cambridge. 4s 6d.
- Euclid.—Elements of Geometry.** By H. M. Taylor, M.A., Fellow and formerly Tutor of Trinity College, Cambridge. Books I. and II., 1s 6d. Books III. and IV., 1s 6d. Books I.-IV., in One Vol., 3s. Books V. and VI., 1s 6d. Books I.-VI., in One Vol., 4s.
- Solutions to the Exercises in Euclid.** Books I.-IV. By W. W. Taylor, M.A. 6s.

London : C. J. CLAY & SONS, Cambridge University Press Warehouse, Ave Maria Lane ; Glasgow : 263 Argyle Street.

# CAMBRIDGE UNIVERSITY PRESS.

## THE CAMBRIDGE MILTON FOR SCHOOLS.

With Introductions, Notes, and Indexes, by A. Wilson Verity, M.A., sometime Scholar of Trinity College, Cambridge.

"Mr. Verity is an admirable editor of Milton."—*Athenæum*

"Edited in masterly style. Our gratitude for the excellent edition before us is accompanied by a lively hope that we shall, in due course, receive the rest of the work annotated by the same able pen."—*Guardian*.

Paradise Lost. Books I., II. 2s.

Books III., IV.

Books V., VI. 2s.

Books XI., XII. 2s.

[In the Press.]

Arcades and Comus. 3s.

Samson Agonistes. 2s 6d.

Ode on the Nativity, L'Allegro, Il Penseroso, and Lycidas. 2s 6d.

## NEW VOLUMES OF THE CAMBRIDGE BIBLE FOR SCHOOLS AND COLLEGES.

General Editor—J. J. S. Perowne, D.D., Bishop of Worcester.

"The name of Dr. Perowne is a guarantee for good and scholarly work, while his intimate acquaintance with the Biblical scholars of every Church and school of thought will enable him to secure the co-operation of the men best fitted to assist him."—*Expositor*.

The Books of Ezra and Nehemiah. By the Rev. H. E. Ryle, B.D., Hulsean Professor of Divinity in the University of Cambridge. With 3 Maps. 4s 6d.

The Epistles to the Colossians and Philemon. By the Rev. H. C. G. Moule, M.A., Principal of Ridley Hall, Cambridge. 2s.

## NEW VOLUME OF THE CAMBRIDGE GREEK TESTAMENT FOR SCHOOLS AND COLLEGES.

Prepared under the direction of the Rev. J. Armitage Robinson, B.D., Norrisian Professor of Divinity as General Editor.

The Book of Revelation. Edited by the late Rev. W. H. Simcox, M.A. 5s.

## WORKS ON EDUCATIONAL SCIENCE.

Lectures on Teaching. Delivered in the University of Cambridge. By J. G. Fitch, M.A., LL.D. Crown 8vo. New Edition. 5s.

Lectures on the Growth and Means of Training the Mental Faculty. Delivered in the University of Cambridge. By Francis Warner, M.D. Crown 8vo, 4s 6d.

Language and Linguistic Method in the School. By S. S. Laurie, A.M., LL.D. Crown 8vo, 4s.

Occasional Addresses on Educational Subjects. By S. S. Laurie, A.M., LL.D. Crown 8vo, 5s.

John Amos Comenius, Bishop of the Moravians. His Life and Educational Works. By S. S. Laurie, A.M., LL.D. Second Edition, Revised, 3s 6d.

Modern Languages, Lectures on the Teaching of. Delivered in the University of Cambridge. By C. Colbeck, M.A. 2s.

Three Lectures on the Practice of Education. Delivered in the University of Cambridge. 1. On Marking, by H. W. Eve, M.A.; 2. On Stimulus, by A. Sidgwick, M.A.; 3. On the Teaching of Latin Verse Composition, by E. A. Abbott, D.D. 2s. On Stimulus, separately. New Edition, 1s

Theory and Practice of Teaching. By the late Rev. E. Thring, M.A. New Edition. 4s 6d.

General Aims of the Teacher and Form Management. Two Lectures delivered in the University of Cambridge. By F. W. Farrar, D.D., and R. B. Poole, B.D. 1s 6d.

Locke on Education. With Introduction and Notes. By Rev. R. H. Quick, M.A. 3s 6d.

Milton's Tractate on Education. A Facsimile Reprint from the Edition, 1673. Edited, with Introduction and Notes, by Oscar Browning, M.A. 2s.

London: C. J. CLAY & SONS, Cambridge University Press Warehouse, Ave Maria Lane; Glasgow: 263 Argyle Street.

## CAMBRIDGE UNIVERSITY PRESS.

## PITT PRESS SERIES.

*Standard Classical Texts, Edited with Introductions, Notes, Appendices, etc.*

AUTHOR.	WORK.	EDITOR.	PRICE
Aristophanes	Aves—Plutus—Ranæ	Green	each 3s 6d
Euripides	Heracleidae	Beck	3s 6d
"	Hercules Furens	Gray & Hutchison	2s 0d
"	Hippolytus	Hadley	2s 0d
"	Iphigenia in Aulis	Headlam	2s 6d
Herodotus	Book V.	Shuckburgh	3s 0d
"	" VI.	"	4s 0d
"	" VIII. 1-90, IX. 1-89	"	each 2s 6d
"	" VIII. complete	"	4s 0d
Homer	Odyssey IX., X.	Edwards	each 2s 6d
"	XXI.	"	2s 0d
"	Iliad, VI., XXII., XXIII.	"	each 2s 0d
Lucian	Somnium, Charon, etc.	Heitland	3s 6d
"	Menippus and Timon	Mackie	3s 6d
Plato	Apologia Socratis	Adam	3s 6d
"	Crito, Euthyphro	"	each 2s 6d
Plutarch	Gracchi, Sulla, Timoleon	Holden	each 6s 0d
"	Demosthenes	"	4s 6d
"	Nicias	"	5s 0d
Sophocles	Oedipus Tyrannus	Jebb	4s 6d
Thucydides	Book VII.	Holden	5s 0d
Xenophon	Agesilaus	Hailstone	2s 6d
"	Anabasis (comp. 2 vols.)	Pretor	7s 6d
"	" I., III., IV., V.	"	each 2s 0d
"	" II., VI., VII.	"	each 2s 6d
"	Cyropaëdia, I., II. (2 vols.)	Holden	6s 0d
"	" III., IV., V.	"	5s 0d
"	" VI., VII., VIII.	"	5s 0d
Caesar	De Bello Gallico—		
"	Com. I., III., VI., VIII.	Peskett	each 1s 6d
"	" II., III.	"	2s 0d
"	" I., II., III.	"	3s 0d
"	" IV., V.	"	1s 6d
"	" VII.	"	2s 0d
"	De Bello Civili. Com. I.	"	3s 0d
Cicero	Actio Prima in C. Verrem	Cowie	1s 6d
"	De Amicitia, De Senectute	Reid	each 3s 6d
"	{ Div. in Q. Caec. et Actio Prima }		
"	{ in C. Verrem }	Heitland & Cowie	3s 0d
"	Philippica Secunda	Peskett	3s 6d
"	Pro Archia Poeta	Reid	2s 0d
"	" Balbo	"	1s 6d
"	" Milone	Purton	2s 6d
"	" Murena	Heitland	3s 0d
"	" Plancio	Holden	4s 6d
"	" Sulla	Reid	3s 6d
Livy	Books IV., VI., IX., XXVII.	Stephenson	each 2s 6d
"	" V.	Whibley	2s 6d
"	" XXI., XXII.	Dimsdale	each 2s 6d
Lucretius	Book V.	Duff	2s 0d
Ovid	Fasti, Book VI.	Sidgwick	1s 6d
Vergil	Aeneid, I. to XII.	"	each 1s 6d
"	Bucolics	"	1s 6d
"	Georgics, I., II.	"	2s 0d
"	" III., IV.	"	2s 0d
"	Complete Works, Vol. I., Text	"	3s 6d
"	Vol. II., Notes	"	4s 6d

*Complete Lists sent on application.*

London : C. J. CLAY & SONS, Cambridge University Press Warehouse, Ave Maria Lane ; Glasgow : 263 Argyle Street.



# MESSRS. BELL'S EDUCATIONAL WORKS.

## ENGLISH—

- Notes on Shakespeare's Coriolanus—Hamlet—Henry V.—Julius Cæsar—Midsummer Night's Dream—Macbeth—Tempest—Merchant of Venice—Richard II.—King John—King Lear.** With Historical and Critical Introduction, Summary, Notes, Etymological and Explanatory, Appendices on Prosody, Grammatical Peculiarities, etc. By T. Duff Barnett, B.A. (Lond.). 1s each.
- Milton—Paradise Lost.** Book I. and Book II. With Notes, Glossary, and Life of Milton. By C. P. Mason, B.A., F.C.P. 5th Edition. 1s each.
- The Elements of the English Language.** By Ernest Adams, Ph.D. 26th Edition. Thoroughly Revised and greatly Enlarged by J. F. Davis, D.Lit., M.A. 4s 6d.
- The Rudiments of English Grammar and Analysis.** By Ernest Adams, Ph.D. 19th Thousand. 1s.
- History of English Literature.** By Bernhard ten Brink. Vol. I., Early English Literature (to Wiclif). Translated by Horace M. Kennedy. 3s 6d. Vol. II. (Wiclif, Chaucer, Earliest Drama, Renaissance). Translated by W. Clarke Robinson, Ph.D. 3s 6d.

## LATIN—Annotated Editions—

- Cæsar: de Bello Gallico.** Book I. With Vocabulary. Books I. to III.; Books IV. and V.; Books VI. and VII. Edited by George Long, M.A. 1s 6d each.
- Cæsar: de Bello Gallico.** Book VII. Edited by Rev. W. C. Compton. With Maps, Plans, and Illustrations. 2nd Edition. 4s.
- Cicero: de Senectute.** By George Long, M.A. 1s 6d.
- Cicero: de Amicitia.** By George Long, M.A. 1s 6d.
- Cornelius Nepos.** By J. F. Macmichael, M.A. 2s.
- Horace: Odes, Carmen Seculare and Epodes.** By A. J. Macleane, M.A. 2s.
- Horace: Odes.** Book I. With Notes, by A. J. Macleane, M.A., and Vocabulary. 1s 6d.
- Horace: Satires, Epistles, and Art of Poetry.** By A. J. Macleane, M.A. 2s.
- Juvenal: Sixteen Satires (Expurgated).** By Herman Prior, M.A. 3s 6d.
- Livy: Books I., II., III., IV., V.** By J. Prendeville. Re-edited by J. H. Freese. 1s 6d each.
- Livy: Book XXI. and Book XXII.** By the Rev. L. D. Dowdall, M.A., B.D. Each 3s 6d.
- Martial (Select Epigrams).** By Paley and Stone. 4s 6d.
- Ovid: Fasti.** By Dr. Paley. 3s 6d; or in 3 vols. 1s 6d each.
- Ovid: Selections.** By A. J. Macleane, M.A. 1s 6d.
- Plautus: Trinummus, Aulularia, and Menæchmei.** By Dr. Wagner. 4s 6d each.
- Plautus: Mostellaria.** By Professor Sonnenschein. 5s.
- Sallust: Catilina and Jugurtha.** By G. Long and J. G. Fraser. 3s 6d; or in Two Parts, each 2s.
- Tacitus: Germania and Agricola.** Edited by the late Rev. P. Frost, M.A., Fellow of St. John's College, Cambridge. 2s 6d.
- Terence.** Edited by W. Wagner, Ph.D. 7s 6d.
- Terence: Adelphi, Andria, Phormio, and Hautontimorumenos.** By W. Wagner, Ph.D. 1s 6d each.
- Virgil: Bucolics, Georgics, and Æneid.** Books I.-IV. By the Rev. J. G. Sheppard, D.C.L. Abridged from Professor Conington's Edition. 4s 6d.
- Virgil: Æneid.** Books V.-XII. Abridged from Professor Conington's Edition by H. Nettleship, Corpus Professor of Latin at Oxford, and W. Wagner, Ph.D. 4s 6d.
- Virgil: Æneid.** Book I. Professor Conington's Edition, Abridged, with Notes and Vocabulary. 1s 6d.
- Virgil.** 12 Vols. Professor Conington's Edition. Abridged by Professors Nettleship and Wagner and the Rev. J. G. Sheppard, D.C.L. Bucolics; Georgics, I. and II.; Georgics, III. and IV.; Æneid I. and II.; Æneid III. and IV.; Æneid V. and VI. (2s.); Æneid VII. Æneid VIII., Æneid IX., Æneid X., Æneid XI., Æneid XII. 1s 6d each.
- "The handiest as well as the soundest of modern editions."—*Saturday Review*.

London: GEORGE BELL & SONS.

Messrs. BELL'S EDUCATIONAL WORKS—*Continued.*

GREEK—Annotated Editions—

- Æschylus:** *Agamemnon, Choephoroe, Eumenides, Persae, Prometheus Vincetus, Septem contra Thebas.* By F. A. Paley, LL.D. Each 1s 6d.
- Euripides:** *Ion (2s), Alcestis, Andromache, Bacchae, Hecuba, Hercules Furens, Hippolytus, Iphigenia in Tauris, Medea, Phoenissae, Troades, Supplices, Orestes.* By F. A. Paley, LL.D. Each 1s 6d.
- Greek Testament.** St. Matthew, St. Mark, St. Luke, St. John, The Acts of the Apostles. 5 Sections. By J. F. Macmichael, M.A. Each 6d.
- Homer:** *Iliad.* Books I.-XII. Edited by F. A. Paley, M.A., LL.D. 4s. Or in Two Parts: Books I.-VI., 2s 6d; Books VI.-XII., 2s 6d.
- Plato:** *Apology of Socrates, and Crito.* By W. Wagner, Ph.D. 2s 6d.
- Plato:** *Phaedo.* By W. Wagner, Ph.D. 5s 6d.
- Plato:** *Protagoras.* By W. Wayte, M.A. 4s 6d.
- Plato:** *Euthyphro.* By G. H. Wells, M.A. 3s.
- Plato:** *Euthydemus.* By G. H. Wells, M.A. 4s.
- Plato:** *Republic.* Books I. and II. By G. H. Wells, M.A. 5s 6d.
- Sophocles:** *Antigone, Electra, Oedipus Coloneus, Oedipus Tyrannus, Ajax.* By F. A. Paley, LL.D. Each 1s 6d.
- Sophocles:** *Philoctetes, Trachiniae.* By F. A. Paley, LL.D. 2s 6d each.
- Thucydides.** Book I. Edited by R. Shilleto, M.A. 6s 6d. Book II. 5s 6d.
- Xenophon:** *Anabasis.* Book I. By J. F. Macmichael, M.A. 1s 6d.
- Xenophon:** *Anabasis.* Books II. and III. By J. F. Macmichael, M.A. 1s 6d.
- Xenophon:** *Anabasis.* Books IV. and V. By J. F. Macmichael, M.A. 1s 6d.
- Xenophon:** *Cyropædia.* Books I. and II. By G. M. Gorham, M.A. Each 1s 6d.
- Xenophon:** *Hellenica.* Books I. and II. By the Rev. L. D. Dowdall, M.A., B.D. 2s. each.

FRENCH AND GERMAN.

- Schiller:** *Wallenstein.* By Dr. C. A. Buchheim. 5s. Or the Lager and Piccolomini together, 2s 6d. *Wallenstein's Tod,* 2s 6d.
- Schiller:** *Maid of Orleans.* By Dr. Wilhelm Wagner. 1s 6d.
- Schiller:** *Maria Stuart.* By V. Kastner, B.-ès-L. 1s 6d.
- Goethe:** *Hermann and Dorothea.* By E. Bell, M.A., and E. Wölfel. 1s 6d.
- German Ballads** from Uhland, Goethe, and Schiller. By the late C. L. Bielefeld. 1s 6d.
- Lamartine:** *Le Tailleur de Pierres de Saint-Point.* By James Boiello, B.-ès-L. 1s 6d.
- Voltaire:** *Charles XII.* By L. Direy. 1s 6d.
- Fénelon:** *Adventures de Télémaque.* By C. J. Delille. 2s 6d.
- Picciola,** by H. B. Saintine. By Dr. Dubuc. 1s 6d.
- Select Fables of La Fontaine. By F. E. Gasc. 1s 6d.**

GOMBERT'S FRENCH DRAMA. Edited by F. E. A. Gasc. 6d each.

- Molière: *Le Misanthrope, L'Avare, Le Bourgeois Gentilhomme, Le Tartuffe, Le Malade Imaginaire, Les Femmes Savantes, Les Fourberies de Scapin, Les Précieuses Ridicules, L'École des Femmes, L'École des Maris, Le Médecin malgré Lui.*
- Racine: *La Thébaïde, Andromaque, Les Plaideurs, Iphigénie, Britannicus, Phèdre, Esther, Athalie.*
- Corneille: *Le Cid, Horace, Cinna, Polyeucte.*
- Voltaire: *Zaire.*

- Concise Dictionary of the French and English Languages.** 5th Edition. Thoroughly Revised. By F. E. A. Gasc. 10s 6d.
- Pocket Dictionary of the French and English Languages.** By F. E. A. Gasc. 49th Thousand, with Additions and Corrections. 2s 6d.
- German Prose Composition.** By Dr. C. A. Buchheim, Professor of German Language and Literature in King's College, and Examiner in German to the London University. 14th Edition, revised. 4s 6d. (Key to 1st and 2nd Parts, 3s. To 3rd and 4th Parts, 4s.)

London: GEORGE BELL & SONS.

Messrs. BELL'S EDUCATIONAL WORKS—*Continued.*

## MATHEMATICS.

- Arithmetic.** With Examination Papers and nearly 8000 Examples. By C. Pendlebury, M.A., Senior Mathematical Master of St. Paul's School. 6th Edition. With or without answers. Crown 8vo. 4s 6d. In two parts, 2s 6d each. Key to Part II., 7s 6d net.  
The Examples in a separate Volume. 4th Edition. Price 3s.  
In use at Winchester, Wellington, Marlborough, Charterhouse, St. Paul's, Merchant Taylors', Christ's Hospital, Sherborne, Shrewsbury, etc., etc.
- Examination Papers in Arithmetic.** By the same Author. 2nd Edition. 2s 6d. Key, 5s net.
- Arithmetic.** By the Rev. C. Elsee, Mathematical Master at Rugby. 14th Edition. 3s 6d.
- Algebra.** By the Rev. C. Elsee, M.A. 8th Edition. 4s.
- Euclid.** Books I.-VI., and part of Book XI. By Horace Deighton, M.A., Head Master of Harrison College, Barbados. New Translation from the Greek Text, with numerous Riders and Chapters on Radical Axis, Pole and Polars, Transversals, Centres of Similitude, Harmonic Proportion, Plain Loci, etc. 2nd Edition, revised with symbols and abbreviations. Crown 8vo. 4s 6d. Or in Parts: Book I., 1s; Books I. and II., 1s 6d; Books I. to III., 2s 6d; Books III. and IV., 1s 6d. Key, 5s net.
- Analytical Geometry for Schools.** By the Rev. T. G. Vyvyan, Fellow of Gonville and Caius College, and Mathematical Master of Charterhouse. 6th Edition. 4s 6d.
- Trigonometry, The Elements of.** By J. M. Dyer, M.A., and Rev. R. H. Whitcombe, M.A. (Assistant Masters at Eton College). 2nd Edition. 4s 6d.
- Trigonometry, Introduction to Plane.** By the Rev. T. G. Vyvyan, M.A. 3rd Ed. 3s 6d.
- Trigonometry, Examination Papers in.** By G. H. Ward, M.A. Assistant Master at St. Paul's School. Crown 8vo, 2s 6d. Key, 5s.
- Conics, The Elementary Geometry of.** By C. Taylor, D.D., Master of St. John's College, Cambridge. 7th Edition. 4s 6d.
- Conic Sections Treated Geometrically.** By W. H. Besant, Sc.D., late Fellow of St. John's College, Cambridge. 8th Edition. 4s 6d. SOLUTIONS TO EXAMPLES, 4s.
- Geometrical Optics,** An Elementary Treatise on. By W. Steadman Aldis, M.A., Professor of Mathematics at the University, Auckland, New Zealand. 3rd Edition. 4s.
- Astronomy, Introduction to Plane.** By R. T. Main, M.A., Lecturer at St. John's College, Cambridge. 5th Edition. 4s.
- Solid Geometry,** An Elementary Treatise on. By W. Steadman Aldis, M.A. 4th Edition. Crown 8vo. 6s.
- An Elementary Treatise on Hydrodynamics and Sound.** By A. B. Basset, M.A., F.R.S. Demy 8vo. 7s 6d.
- A Treatise on Hydrodynamics.** With numerous examples. By A. B. Basset, M.A., F.R.S. Demy 8vo. Vol. I., 10s 6d. Vol. II., 12s 6d.
- Hydrostatics,** Elementary. By W. H. Besant, Sc.D., F.R.S. 16th Edition. 4s 6d. SOLUTIONS TO THE EXAMPLES, 5s. net.
- Hydromechanics,** A Treatise on. By W. H. Besant, M.A., Sc.D. 5th Edition. Part 1., Hydrostatics. 5s.
- Elementary Dynamics,** for the Use of Colleges and Schools. By William Garnett, M.A., D.C.L., Principal of the College of Science, Newcastle-upon-Tyne. 5th Edition, revised. 6s.
- Dynamics,** A Treatise on. By W. H. Besant, Sc.D., F.R.S. 2nd Edition. 7s 6d.
- Rigid Dynamics,** An Introductory Treatise on. By W. Steadman Aldis, M.A. 4s.
- Heat,** An Elementary Treatise on. By William Garnett, M.A., D.C.L. 5th Edition. 4s 6d.
- Physics, Examples in Elementary.** Comprising Statics, Dynamics, Hydrostatics, Heat, Light, Chemistry, Electricity, with EXAMINATION PAPERS. By W. Gallatly, M.A. 4s.
- Mathematical Examples.** A Collection of Examples in Arithmetic, Algebra, Trigonometry, Mensuration, Theory of Equations, Analytical Geometry, Statics, Dynamics, with Answers, etc. By J. M. Dyer, M.A. (Assistant Master, Eton College), and R. Prowde Smith, M.A. (Assistant Master, Cheltenham College). 6s.

London: GEORGE BELL & SONS, York Street, Covent Gardens.

Cambridge: DEIGHTON, BELL & CO.



# LAWRENCE & BULLEN.

**ANACREON.** The Greek Text, with Thomas Stanley's Translation (1651). Edited by A. H. BULLEN. Illustrated by J. R. WEGUELIN. Fcap. 4to. £1 1s. net.

**CATULLUS.** Edited, with Critical Notes, by S. G. OWEN, Tutor of Christ Church. Illustrated by J. R. WEGUELIN. Fcap. 4to. 16s. net. Also 110 copies on Japanese vellum, with an additional illustration, £1 11s. 6d. net.

**LUCIAN'S TRUE HISTORY.** The Greek Text, with Francis Hickes' Translation (1634). Edited by CHARLES WHIBLEY. Illustrated by AUBREY BEARDSLEY. Fcap. 4to.

**ROBINSON, H. J.** Colonial Chronology. A Chronology of the Principal Events connected with the English Colonies and India, from the close of the fifteenth century to the present time. With Maps. Crown folio. 16s.

"The book is one which ought to find a place in every library of reference."—*Speaker.*

**CRANE, Walter.** The Claims of Decorative Art. Fcap. 4to. 7s. 6d. net.

**RABELAIS, Francis.** Works, translated by Sir Thomas Urquhart of Cromarty and Peter Antony Motteux. With an Introduction by ANATOLE DE MONTAIGLON, and Illustrations by LOUIS CHALON. 2 vols., imperial 8vo. £3 3s. net.

**MATRICULATION CHEMISTRY.** Chemistry of the Non-Metallic Elements and their Compounds. By TEMPLE ORME, University College School, London. Fcap. 8vo. 2s. 6d.

---

## LAWRENCE & BULLEN,

16 HENRIETTA STREET, COVENT GARDEN, LONDON.

## BLACKIE & SON'S BOOKS FOR STUDENTS.

**Introduction to Shakespeare.** By EDWARD DOWDEN, LL.D., Professor of English Literature at the University of Dublin. Crown 8vo, cloth, 2s. 6d.

The contents include:—I. Shakespeare's Life. II. The Poetical Creations of his Intellect and Imagination. III. The Pseudo-Shakespearian Plays. IV. Influence of Shakespeare's Works on the National Mind. With Appendix and Illustrations.

**Zehden's Commercial Geography:** A Complete Manual of the Countries of the World. SECOND ENGLISH EDITION, Carefully Revised, with Map of Chief Trade Routes. Crown 8vo, cloth, 5s.

**Outlines of the World's History, Ancient, Mediæval, and Modern.** By EDGAR SANDERSON, M.A. 664 pp., crown 8vo, cloth, 6s. 6d. Also separately, in cloth:—Part I., Ancient Oriental Monarchies, 1s.; Part II., Greece and Rome, 2s.; Part III., Mediæval History, 1s.; Part IV., Modern History, 2s. 6d.

**An Epitome of History, Ancient, Mediæval, and Modern.** By CARL PLOETZ. Translated by W. H. TILLINGHAST. Crown 8vo, cloth, 7s. 6d.

*In Fcap. 4to, 864 pages, 80,000 entries, cloth, 5s.;  
roxburgh, 6s. 6d.; half-morocco, 9s.*

New and Cheaper Edition, with Extensive Supplement.

## A CONCISE DICTIONARY OF THE ENGLISH LANGUAGE.

Etymological and Pronouncing, Literary, Scientific, and Technical.

By CHARLES ANNANDALE, M.A., LL.D.,

*Editor of Ogilvie's "Imperial Dictionary," New Edition.*

The **New Edition** is augmented by **thirty-two** pages of matter containing the following additions: (1) *Supplement of additional words and terms.* (2) *Key to noted Names in Fiction, Mythology, etc.* (3) *List of Authors, with dates of birth and death.* (4) *Forms of Address to Persons of Rank and Title.* (5) *Money Systems of the Countries of the World.*

"We have tested this dictionary by use, which is the only way to form a fair judgment on a work of the kind, and our first impression of its clearness of definition, arrangement, and type, and of its comprehensiveness and general handiness and usefulness has been steadily confirmed."—*Athenæum*.

"The *Concise Dictionary* stands first—and by a long interval—among all the one-volume English Dictionaries hitherto published."—*The Academy*.

"It is a marvel of everything, and it is the prince of handy dictionaries."—*University Correspondent*.

LONDON: BLACKIE & SON, LIMITED, EDINBURGH AND GLASGOW.

# BLACKIE & SON'S BOOKS FOR STUDENTS.

**Deschanel's Natural Philosophy.** An Elementary Treatise. By Professor A. PRIVAT DESCHANEL, of Paris. Translated and Edited by Professor J. D. EVERETT, D.C.L., F.R.S. 12th Edition. Medium 8vo, cloth, 18s.; also in Parts, cloth, 4s. 6d. each.

*Part I.*, Mechanics, Hydrostatics, &c. | *Part III.*, Electricity and Magnetism.  
*Part II.*, Heat. | *Part IV.*, Sound and Light.

**Elementary Text-Book of Physics.** By Professor EVERETT. Seventh Edition. Cloth, 3s. 6d.

**An Elementary Text-Book of Dynamics and Hydrostatics.** By R. H. PINKERTON, B.A. Oxon. Third Edition. Fcap. 8vo. Cloth, 3s. 6d.

**An Elementary Text-Book of Applied Mechanics.** By DAVID ALLAN Low (Whitworth Scholar), M.Inst.M.E. Cloth, 2s.

**An Elementary Text-Book of Physiology.** By J. M'GREGOR-ROBERTSON, M.A., M.B., etc. New and Revised Edition. Illustrated. Fcap. 8vo. Cloth, 4s.

**A Text-Book of Organic Chemistry.** By Professor A. BERNTHSEN, Ph.D. With the Author's Additions to Date. Translated by GEORGE M'GOWAN, Ph.D. Crown 8vo. Cloth, 6s.

**Magnetism and Electricity.** By W. JEROME HARRISON, and CHARLES A. WHITE, F.G.S. Fcap. 8vo. Cloth, 2s.

**The Arithmetic of Magnetism and Electricity.** By ROBERT GUNN, Science Lecturer, Glasgow School Board. Fcap. 8vo. Cloth, 2s. 6d.

**Light, Heat, and Sound.** By CHAS. H. DRAFER, D.Sc. Second Edition. Fcap. 8vo. Cloth, 2s.

**An Elementary Text-Book of Geology.** By W. J. HARRISON. Cloth, 2s.

**Earth-Knowledge.** A Text-Book of Physiography. By W. JEROME HARRISON, F.G.S., and H. ROWLAND WAKEFIELD. Part I., Elementary; Cloth, 1s. 6d. Part II., Advanced. Cloth, 2s.

**Elementary Inorganic Chemistry: Theoretical and Practical.** By Professor A. HUMBOLDT SEXTON, F.R.S.E. Cloth, 2s. 6d.

**Algebra, Up to and Including Progressions and Scales of Notation.** For Science Classes, Pupil-Teachers, Students, etc. By J. G. KERR, M.A. Fcap. 8vo. Cloth, 2s. 6d.

**Algebraic Factors.** How to find them and how to use them. By Dr. W. T. KNIGHT. Fcap. 8vo. Cloth, 2s. Key, 3s. 6d.

**Mathematical Wrinkles for Matriculation and other Examinations.** Consisting of Six Sets of London Matriculation Papers in Mathematics, with full Solutions. By Dr. W. T. KNIGHT. Cloth, 2s. 6d.

**Elementary Text-Book of Trigonometry.** By R. H. PINKERTON, B.A. Oxon. New Edition revised and extended. Cloth, 2s.

---

London : BLACKIE & SON, Limited, Edinburgh & Glasgow.



# MANUALS FOR STUDENTS.

**By Professor ROBERTSON, D.D.**

**THE EARLY RELIGION OF ISRAEL.** As set forth by Biblical Writers and by Modern Critical Historians. Fourth Edition. Crown 8vo. 10s 6d

**By Professor VEITCH, LL.D.**

**KNOWING AND BEING.** Essays in Philosophy. First Series. Crown 8vo. 5s

**INSTITUTES OF LOGIC.** Post 8vo. 12s 6d

**METHOD, MEDITATIONS, AND PRINCIPLES OF PHILOSOPHY OF DESCARTES.**

Translated from the original French and Latin. With a new Introductory Essay, Historical and Critical, on the Cartesian Philosophy. Tenth Edition. 12mo. 6s 6d

**By Professor SETH, M.A.**

**SCOTTISH PHILOSOPHY.** A Comparison of the Scottish and German Answers to Hume. Second Edition. Crown 8vo. 5s

**HEGELIANISM AND PERSONALITY.** Second Edition. Crown 8vo. 5s

**By Professor BAYNES.**

**PORT ROYAL LOGIC.** Translated from the French: with Introduction, Notes, and Appendix. Tenth Edition, 12mo. 4s

**By Professor BURROWS.**

**COMMENTARIES ON THE HISTORY OF ENGLAND,** from the Earliest Times to 1865. Crown 8vo. 7s 6d

**By Professor MINTO.**

**MANUAL OF ENGLISH PROSE LITERATURE—Biographical and Critical.** Third Edition. Crown 8vo. 7s 6d

**CHARACTERISTICS OF ENGLISH POETS FROM CHAUCER TO SHIRLEY.**

New Edition, revised. Crown 8vo. 7s 6d

**By Professor ALLEYNE NICHOLSON.**

**A MANUAL OF ZOOLOGY.** Seventh Edition, re-written and enlarged. Post 8vo, with Engravings. 18s

**TEXT-BOOK OF ZOOLOGY.** Fourth Edition, enlarged. Crown 8vo, with 264 Engravings. 7s 6d

**By Professor NICHOLSON and RICHARD LYDEKKER, B.A.**

**A MANUAL OF PALÆONTOLOGY.** Third Edition. 2 vols. 8vo, with Engravings. 63s

**By Dr. PAGE.**

**ADVANCED TEXT-BOOK OF GEOLOGY.** With Engravings and Glossary of Scientific Terms. Sixth Edition, revised and enlarged. 7s 6d

**INTRODUCTORY TEXT-BOOK OF GEOLOGY.** Twelfth Edition, Revised and Enlarged. With Engravings and Index. 3s. 6d.

## BLACKWOODS' PHILOSOPHICAL CLASSICS FOR ENGLISH READERS.

*In Crown 8vo Volumes. With Portraits. Price 3s 6d each.*

*Contents of the Series:—*DESCARTES, by Professor Mahaffy. BUTLER, by Rev. W. L. Collins. BERKELEY, by Professor Campbell Fraser. FICHTE, by Professor Adamson. KANT, by Professor Wallace. HAMILTON, by Professor Veitch. HEGEL, by Professor Caird. LEIBNIZ, by J. Theodore Merz. VICO, by Professor Flint. HOBBS, by Professor Croom Robertson. HUME, by Professor Knight. SPINOZA, by the Very Rev. Principal Caird. BACON: Part I. The Life; Part II. Philosophy, by Professor Nichol. LOCKE, by Professor Campbell Fraser.

**WILLIAM BLACKWOOD & SONS, Edinburgh and London.**

# TEXT-BOOKS.

---

- ELLIS'S DEMONSTRATIONS OF ANATOMY.** Edited and Revised by G. D. THANE, Professor of Anatomy, University College, London. Eleventh Edition. With Illustrations. Small 8vo, 12s. 6d.
- CLELAND'S DIRECTORY FOR THE DISSECTION OF THE HUMAN BODY.** Third Edition. Thoroughly Revised by JOHN YULE MACKAY, M.D. Fcap. 8vo, 3s. 6d.
- HOLMES' TREATISE ON SURGERY;** its Principles and Practice. Edited by T. PICKERING PICK, Surgeon to, and Lecturer on Surgery at, St. George's Hospital. Fifth Edition. With 428 Illustrations. Royal 8vo, 30s.
- HEATH'S DICTIONARY OF PRACTICAL SURGERY.** Third Edition. Royal 8vo, 32s. cloth; or half-morocco, marbled edges, 42s.
- KEETLEY'S INDEX OF SURGERY.** Fourth Edition. Crown 8vo, 10s. 6d.
- COLEMAN'S MANUAL OF DENTAL SURGERY AND PATHOLOGY.** With 388 Illustrations. Crown 8vo, 12s. 6d.
- BRISTOWE'S TREATISE ON THE THEORY AND PRACTICE OF MEDICINE.** Seventh Edition. 8vo, 21s.
- FINLAYSON'S CLINICAL MANUAL FOR THE STUDY OF MEDICAL CASES.** Third and Cheaper Edition, Revised, with Illustrations. Crown 8vo, 8s. 6d.
- PAYNE'S MANUAL OF GENERAL PATHOLOGY.** With Coloured Plate and 150 Woodcuts. Crown 8vo, 12s. 6d.
- GEE'S AUSCULTATION AND PERCUSSION.** With Illustrations. Third Edition. Fcap. 8vo, 6s.
- PLAYFAIR'S TREATISE ON THE SCIENCE AND PRACTICE OF MIDWIFERY.** Eighth Edition. With 197 Illustrations and 6 Plates. Two vols. Demy 8vo, 28s.
- BARNES' SYSTEM OF OBSTETRIC MEDICINE AND SURGERY.** In two vols. With numerous Illustrations. 8vo. Vol. I., 18s.; Vol. II., 20s.
- SCHAFER'S COURSE OF PRACTICAL HISTOLOGY.** With numerous Illustrations. Crown 8vo, 10s. 6d.
- MARSHALL'S AND HURST'S JUNIOR COURSE OF PRACTICAL ZOOLOGY.** Third Edition, Revised. With additional Illustrations. Crown 8vo, 10s. 6d.
- MARSHALL'S VERTEBRATE EMBRYOLOGY.** With numerous Illustrations. 8vo, 21s.
- JULER'S HANDBOOK OF OPHTHALMIC SCIENCE AND PRACTICE.** Second Edition, Revised, with numerous Illustrations. 8vo, 21s.

---

LONDON: SMITH, ELDER, & CO., 15 WATERLOO PLACE.

# SELECTED LIST OF BOOKS FROM T. NELSON & SONS' GENERAL CATALOGUE.

## Theological Works.

- DR. HODGE'S "SYSTEMATIC THEOLOGY." Three Vols. 42s  
 DR. HODGE'S "CHURCH AND ITS POLITY." 12s 6d  
 DR. HODGE'S "OUTLINES OF THEOLOGY." 10s  
 DR. HODGE'S "PRINCETON SERMONS." 10s  
 DR. HODGE'S "EVANGELICAL THEOLOGY." 5s

## Books on Bible Lands.

- THE LAND AND THE BOOK. By W. M. THOMSON, D.D. Library and Presentation Edition. Three Vols. (Various Bindings.)  
 THE LAND AND THE BOOK. Original Edition. One Volume, 8vo. 7s 6d  
 JERUSALEM, BETHANY, AND BETHLEHEM. By Dr. PORTER. 10s 6d  
 GALILEE AND THE JORDAN. Scenes of the Early Life and Labours of our Lord. By Dr. PORTER. 10s 6d  
 THE GIANT CITIES OF BASHAN. By Dr. PORTER. 7s 6d  
 IN THE HOLY LAND. By Dr. ANDREW THOMSON. 4s  
 ON THE DESERT. By Dr. H. H. FIELD. 4s  
 WANDERINGS OVER BIBLE LANDS AND SEAS. By the Author of the "Schönberg-Cotta Family." 3s 6d  
 NEWTON'S RAMBLES THROUGH BIBLE LANDS. 3s.

## Choice Sacred Poetry.

- EZEKIEL, AND OTHER POEMS. By B. M. 3s 6d  
 ELIJAH, AND OTHER POEMS. By B. M. 3s 6d  
 HYMNS FROM THE LAND OF LUTHER. By H. L. L. 3s 6d  
 LYRA CHRISTIANA. By H. L. L. 3s 6d  
 SONGS OLD AND NEW. By Author of "Chronicles of the Schönberg-Cotta Family." 3s 6d

## Books on Bible Subjects.

- DR. EASTON'S "ILLUSTRATED BIBLE DICTIONARY AND TREASURY OF BIBLICAL HISTORY, BIOGRAPHY, GEOGRAPHY, DOCTRINE, AND LITERATURE." 5s  
 ARNOT'S "LAWS FROM HEAVEN FOR LIFE ON EARTH." 4s 6d  
 ARNOT'S "PARABLES OF OUR LORD." 4s 6d  
 ARNOT'S "LESSER PARABLES OF OUR LORD." 4s 6d  
 DR. BLAIKIE'S "MANUAL OF BIBLE HISTORY." 3s 6d  
 DR. MILLER'S "COME YE APART." Daily Readings in the Life of Christ. 3s 6d  
 DR. ROBINSON'S "SIMON PETER: His Life and Times." 3s 6d  
 DR. SPENCER'S "A PASTOR'S SKETCHES." Complete. 2s 6d. (Also in Two Volumes, 1s 6d each)  
 DR. STEEL'S "THE SHORTER CATECHISM. With Proofs, Illustrative Anecdotes," &c. 2s 6d  
 REV. A. B. MACKAY'S "APPLES OF GOLD ON SALVERS OF SILVER." Being Scripture Illustrations of the Shorter Catechism. 2s 6d  
 BORROW'S "THE BIBLE IN SPAIN." New Illustrated Edition. 4s

## Christian Biography.

- BISHOP RYLE'S "CHRISTIAN LEADERS OF THE LAST CENTURY." 7s 6d  
 MRS. E. R. PITMAN'S "LADY HYMN WRITERS." 5s  
 HEROES OF THE DESERT. Lives of Moffat and Livingstone. By the Author of "Mary Powell." 3s 6d  
 LIFE AND LETTERS OF W. FLEMING STEVENSON, D.D., DUBLIN. By his Wife. 2s 6d  
 DR. M'GRIE'S "LIFE OF JOHN KNOX." 2s

\* \* Complete Descriptive Catalogue, post free, on Application.

Published by T. NELSON & SONS, London, Edinburgh, and New York.

Sold by all Booksellers.



# H. K. LEWIS'S TEXT-BOOKS.

- A PRACTICAL TEXT-BOOK OF THE DISEASES OF WOMEN.** By ARTHUR H. N. LEWERS, M.D. Lond., M.R.C.P. Lond. Fourth Edition. Illustrations. Cr. 8vo, 10s. 6d.
- A TREATISE ON DISEASES OF THE SKIN AND THEIR TREATMENT.** By H. RADCLIFFE CROCKER, M.D. Lond., B.S., F.R.C.P. Second Edition. Large 8vo, 24s.
- MEDICAL MICROSCOPY.** By FRANK J. WETHERED, M.D. Illustrations. Cr. 8vo, 9s.
- PUBLIC HEALTH LABORATORY WORK.** By HENRY R. KENWOOD, M.B., D.P.H., F.C.S. Illustrations. Crown 8vo, 10s. 6d.
- HANDBOOK OF THE THEORY AND PRACTICE OF MEDICINE.** By FREDERICK T. ROBERTS, M.D., B.Sc., F.R.C.P. Eighth Edition. Large 8vo, 21s.
- A TEXT-BOOK OF MORBID HISTOLOGY.** By RUBERT BOYCE, M.B., M.R.C.S. Royal 8vo, with 130 Coloured Illustrations. 31s. 6d.
- MEDICAL ELECTRICITY.** By W. E. STEAVENSON, M.D., and H. LEWIS JONES, M.D. Illustrated. Crown 8vo, 9s.
- HANDBOOK OF DISEASES OF THE EYE AND THEIR TREATMENT.** By H. R. SWANZY, A.M., M.B., F.R.C.S.I. Illustrated. Fourth Edition. Post 8vo, 10s. 6d.
- A HANDBOOK OF THERAPEUTICS.** By SYDNEY RINGER, M.D., F.R.S. Twelfth Edition. 8vo, 15s.
- ELEMENTS OF PRACTICAL MEDICINE.** By ALFRED H. CARTER, M.D., F.R.C.P. Sixth Edition. Crown 8vo, 9s.
- A NEW MEDICAL DICTIONARY, INCLUDING ALL THE WORDS AND PHRASES USED IN MEDICINE.** By GEORGE M. GOULD, B.A. Sm. 8vo, 12s. 6d.
- HYGIENE AND PUBLIC HEALTH.** By LOUIS C. PARKES. Third Edition. Crown 8vo, 10s. 6d.
- LEWIS'S POCKET MEDICAL VOCABULARY.** Second Edition. Thoroughly revised. Over 300 pages. 32mo, roan, 3s. 6d.
- PRACTICAL CHEMISTRY FOR MEDICAL STUDENTS (CONJOINT BOARD).** By SAMUEL RIDEAL, D.Sc. Lond. Fcap. 8vo, 2s.
- PRACTICAL ORGANIC CHEMISTRY.** By S. RIDEAL, D.Sc. Lond. 12mo, 2s. 6d.
- MANUAL OF OPHTHALMIC PRACTICE.** By C. HIGGENS, F.R.C.S. Illustrations. Crown 8vo, 6s.
- A HANDBOOK OF SURFACE ANATOMY AND LANDMARKS.** By B. C. WINDLE, M.A., M.D. Dubl. Illustrations. Post 8vo, 3s. 6d.
- SECTION CUTTING AND STAINING.** By W. S. COLMAN, M.B. Lond. Cr. 8vo, 3s.
- DISEASES OF THE EAR.** By URBAN PRITCHARD, M.D. Edin., F.R.C.S. Eng. Second Edition, with Illustrations. Crown 8vo, 5s.
- TREATMENT OF DISEASE IN CHILDREN.** By ANGEL MONEY, M.D., F.R.C.P. Second Edition. Crown 8vo, 10s. 6d.
- THE ESSENTIALS OF BANDAGING.** By BERKELEY HILL, M.B., F.R.C.S. Sixth Edition. Illustrated. Fcap. 8vo, 5s.
- THE SCIENCE AND ART OF MIDWIFERY.** By W. T. LUSK, A.M., M.D. Fourth Edition, with numerous Illustrations. 8vo, 18s.
- NOTES ON PATHOLOGY.** By R. E. CARRINGTON, M.D., F.R.C.P. Cr. 8vo, 3s. 6d.
- NOTES ON THE CLINICAL EXAMINATION OF THE BLOOD AND EXCRETA.** By S. COUPLAND, M.D., F.R.C.P. Third Edition. 12mo, 1s. 6d.

*\* \* Catalogues of MR. LEWIS'S Publications post free on application.*

**LONDON: H. K. LEWIS, 136 GOWER STREET, W.C.**

## YOUNG J. PENTLAND'S LIST.

**Diseases of the Throat, Nose, and Ear.** By P. M<sup>rs</sup> BRIDE, M.D., F.R.C.P.Ed., Lecturer on the Diseases of the Ear and Throat, Edinburgh School of Medicine; Aural Surgeon and Laryngologist, Royal Infirmary, Edinburgh; Surgeon, Edinburgh Ear and Throat Dispensary. 8vo, pp. xvi., 640, with Coloured Illustrations from Original Drawings, price 25s. (1892.) [Pentland's Medical Series.—Vol. III.]

**Diseases of the Skin.** A Manual for Students and Practitioners. By W. ALLAN JAMIESON, M.D., F.R.C.P.Ed., Extra Physician for Diseases of the Skin, Edinburgh Royal Infirmary; Consulting Physician, Edinburgh City Hospital; Lecturer on Diseases of the Skin, School of Medicine, Edinburgh. Third Edition, 8vo, Cloth, gilt top, pp. xvi., 641. With Woodcut and 9 double-page Coloured Illustrations. Price 21s. (1891.) [Pentland's Medical Series.—Vol. I.]

**Diseases of the Eye.** A Practical Treatise for Students of Ophthalmology. By GEORGE A. BERRY, M.B., F.R.C.S.Ed., Ophthalmic Surgeon, Edinburgh Royal Infirmary; Lecturer on Ophthalmology, Royal College of Surgeons, Edinburgh. Second Edition, thoroughly Revised and Enlarged. 8vo, Cloth, pp. xx., 727, illustrated with Wood Engravings and Coloured Plates from Original Drawings, price 25s. [Pentland's Medical Series.—Vol. II.]

**The Principles and Practice of Medicine.** Designed for the Use of Practitioners and Students of Medicine. By WILLIAM OSLER, M.D., F.R.C.P., Professor of Medicine in the Johns Hopkins University; Physician-in-Chief to the Johns Hopkins Hospital, Baltimore. 8vo, pp. xvi., 1080, illustrated with Charts, price 24s. (1892.)

**Clinical Text-Book of Medical Diagnosis.** For Physicians and Students. By OSWALD VIERORDT, M.D., Professor of Medicine at the University of Heidelberg. Translated, with the Author's permission, from the Second Enlarged German Edition, by FRANCIS H. STUART, M.D., Member of the Medical Society of the County of Kings, New York. Large 8vo, pp. xvi., 700, with 178 Fine Engravings, many in Colour, price 18s. (1891.)

**Physical Diagnosis.** A Guide to Methods of Clinical Investigation. By G. A. GIBSON, M.D., D.Sc., F.R.C.P.Ed., Lecturer on the Principles and Practice of Medicine in the Edinburgh Medical School; Assistant Physician to the Royal Infirmary; and WILLIAM RUSSELL, M.D., F.R.C.P.Ed., Assistant Physician to the Royal Infirmary of Edinburgh; Lecturer on Pathology and Morbid Anatomy in the Edinburgh Medical School. Second Edition, Crown 8vo, Cloth, pp. xvi., 383, with 109 Illustrations (many coloured), price 10s. 6d. [Pentland's Students' Manuals.]

**Prescribing and Treatment in the Diseases of Infants and Children.** By PHILIP E. MUSKETT, late Surgeon to the Sydney Hospital; formerly Senior Resident Medical Officer, Sydney Hospital. Second Edition. 18mo, pp. xvi., 315, in flexible leather binding for the pocket, price 6s. 6d.

**Outlines of Zoology.** By J. ARTHUR THOMSON, M.A., Lecturer on Zoology, School of Medicine, Edinburgh. Crown 8vo, Cloth, pp. xvi., 642, with 32 pages of Illustrations, price 12s. 6d. (1892.) [Pentland's Students' Manuals.]

**Disease in Children.** A Manual for Students and Practitioners. By JAMES CARMICHAEL, M.D., F.R.C.P.Ed., Physician, Royal Hospital for Sick Children; University Lecturer on Disease in Children, Edinburgh. Crown 8vo, Cloth, pp. xvi., 520, price 10s. 6d. [Pentland's Students' Manuals.]

**Diseases of the Stomach.** By C. A. EWALD, M.D., Extraordinary Professor of Medicine at the University of Berlin, Director of the Augusta Hospital. Authorised Translation, with special additions by the Author, by MORRIS MANGES, M.D., Attending Physician, Mount Sinai Hospital, New York. Large 8vo, pp. xvi., 498, with 30 Illustrations, price 16s.

**New Pronouncing Dictionary of Medical and Scientific Terms.** By JOHN M. KEATING, M.D., LL.D., Fellow of the Royal College of Physicians, Philadelphia; Editor of "Cyclopædia of the Diseases of Children." Large 8vo, pp. 820, price 18s.

**The Science and Art of Obstetrics.** By THEOPHILUS PARVIN, M.D., LL.D., Professor of Obstetrics and Diseases of Women and Children in Jefferson Medical College, Philadelphia, and one of the Obstetricians to the Philadelphia Hospital. Second Edition, Revised and Enlarged, with 231 Woodcuts and a Coloured Plate, Royal 8vo, Cloth, pp. 704, price 18s. (1891.)

## YOUNG J. PENTLAND,

Edinburgh: 11 TEVIOT PLACE (*Opposite the Medical School*).

London: 38 WEST SMITHFIELD, E.C. (*adjoining St. Bartholomew's Hospital*).

# WORKS BY JOHN CASEY, ESQ., LL.D., F.R.S.

FELLOW OF THE ROYAL UNIVERSITY OF IRELAND.

Tenth Edition, Price 4s. 6d. ; or in two parts, each 2s. 6d.  
**The Elements of Euclid, Book I.-VI., and Propositions I.-XXI.,  
of Book XI. ;**

Together with an Appendix on the Cylinder, Sphere, Cone, etc. : with  
Copious Annotations and Numerous Exercises.

Second Edition, Price 6s.

**A Key to the Exercises in the First Six Books of Casey's  
"Elements of Euclid."**

Sixth Edition, Revised and Enlarged, Price 3s. 6d.

**A Sequel to the First Six Books of the Elements of Euclid.**  
Containing an Easy Introduction to Modern Geometry,  
with Numerous Examples.

Second Edition, Price 12s., Crown 8vo.

**A Treatise on the Analytical Geometry of the Point, Line,  
Circle, and Conic Sections.**

Containing an Account of its most recent Extensions, with Numerous  
Examples.

Third Edition, Price 3s.

**A Treatise on Elementary Trigonometry.**

With Numerous Examples and Questions for Examination.

Price 3s.

**Key to the Exercises in the Treatise on Elementary Trigonometry.**

Second Edition Preparing, Cr. 8vo.

**A Treatise on Plane Trigonometry, containing an Account of  
Hyperbolic Function, with numerous examples.**

Crown 8vo, 165 pp., Price 5s.

**A Treatise on Spherical Trigonometry, and its application to  
Geodesy and Astronomy, with numerous examples.**

Dublin : HODGES, FIGGIS & CO., Ltd. London : LONGMANS & CO.



## SWAN SONNENSCHN & CO.'S NEW SCIENTIFIC TEXT-BOOKS.

- Amphioxus: Introduction to the Study of.** By Prof. J. HATSCHKE (Vienna). Edited by JAS. TUCKEY, M.A. (Univ., Durham). Illustrated. 6s.  
[*Introd. Science Text-Books.*]
- Bacteriology, Practical: Introduction to.** By Dr. W. MIGULA. Edited by H. J. CAMPBELL, M.D. (of Guy's). Illustrated. 6s.  
[*Introd. Science Text-Books.*]
- Biology: Text-Book of Elementary.** By H. J. CAMPBELL, M.D. (of Guy's). 136 Cuts. 6s.  
[*Introd. Science Text-Books.*]
- Botany: A Student's.** By Dr. SYDNEY H. VINES, M.A., D.Sc., Professor of Botany in the Univ. of Oxford. Fully Illustrated. 8vo. [*In Sept.*, 1893.  
*A rather fuller treatise than his well-known Edition of PRANTL'S Botany (1893 Edition. 9s.)*]
- **Practical Text-Book of.** By Prof. STRASBURGER and HILLHOUSE. 149 Cuts. Third Edition. 9s.
- **Systematic Hand-Book of.** By Prof. E. WARMING, (Stockholm). Edited by Prof. POTTER (Durham Coll. of Science). Fully Illustrated. 8vo.  
[*Shortly.*]
- Embryology of Man and Mammals: Text-Book of.** By Dr. OSCAR HERTWIG. Edited by Dr. MARK. 339 Figures and 2 Coloured Plates. 21s.  
*To be rapidly followed by an English Edition of KORSCHKE and HEIDER'S Invertebrate Embryology.*
- Geographical Distribution of Disease in Great Britain.** By Dr. ALFRED HAVILAND. With 8 Coloured Maps. Royal 8vo. 15s.
- Geology: Text-Book of Comparative.** By Prof. KAYSER. Edited by PHILIP LAKE, M.A., F.G.S., Fellow of St. John's College, Cambridge. 596 Illustrations. 18s.
- NATURE*—"A text-book of stratigraphical geology which is superior to all its predecessors in respect to its illustrations and its thoroughness. The copious index is of the greatest value."
- **An Introduction to the Study of Geology.** By EDWARD AVELING, D.Sc., Fellow of University College, London. Illustrated.  
[*Introd. Science Text-Books.*]
- Petrology: Text-Book of.** By F. H. HATCH, Ph.D., F.G.S. 86 Cuts. 7s. 6d.
- Phonetics: Introduction to English, French, and German.** By LAURA SOAMES. 6s.  
[*Introd. Science Text-Books.*]
- Physiological Psychology: Introduction to.** By Dr. ZIEHEN. 21 Illustrations. 6s.  
[*Introd. Science Text-Books.*]
- Public Health: Treatise on, and its Applications in England, France, Belgium, Germany, Austria, Sweden, and Finland.** By Drs. PALMBERG and NEWSHOLME. With 182 Illustrations. 21s.  
*GUARDIAN*—"It would be difficult to overstate the value of this noble monument of industry. Packed with information of profound interest to everybody."  
*LANCET*—"A most useful work."
- Zoology: Introduction to the Study of.** By B. LINDSAY. Illustrated. 6s.  
[*Introd. Science Text-Books.*]

SWAN SONNENSCHN & CO., PATERNOSTER SQUARE, LONDON.

# JAMES THIN'S PUBLICATIONS.

---

- Edgar (John), M.A.**—**History of Scottish Education from Early Times to the Period of the Reformation.** 8vo. Cloth, 10s. 6d. *Just published.*
- Clark (John), M.A.**—**Manual of Linguistics:** A Concise Account of General and English Phonology. Post 8vo. Cloth, 7s. 6d.
- Laurie (Prof. S. S.).**—**Primary Instruction in Relation to Education.** Fourth Edition, enlarged. Crown 8vo. Cloth, 4s.
- **Institutes of Education,** comprising an INTRODUCTION TO RATIONAL PSYCHOLOGY, designed partly as a Text-Book for Universities and Colleges. Crown 8vo. Cloth, 5s.
- **Lectures on Language and Linguistic Method.** Second Edition. [Shortly.]
- Blaikie (James), M.A.**—**Elements of Dynamics, Mechanics.** With numerous Examples and Examination Questions. By JAMES BLAIKIE, M.A., Fellow of Gonville and Caius College, Cambridge, formerly Examiner in Mathematics in the University of Edinburgh. Thirtieth Thousand, Revised and Enlarged. Post 8vo. Cloth, 3s. 6d.
- Edgar (John), M.A.**—**"Latin Unseens."** Selected Passages for Translation at Sight. Post 8vo. Cloth, 2s. 6d.
- Dobbin (Dr. Leonard).**—**Arithmetical Exercises in Chemistry:** a Series of Elementary Lessons on Chemical Calculation by Dr. LEONARD DOBBIN, Assistant to the Professor of Chemistry, University of Edinburgh. 12mo. 1s. net.
- Fothergill (W. E.), M.A., B.Sc.**—**Botanical Types.** Description of the Structure and Life Histories of Ten Types with Summaries of the Important Groups and Classes, with Illustrations. By W. E. FOTHERGILL, M.A., B.Sc. (Edin.). 12mo, sewed 2s.; interleaved, 2s. 6d.
- **Zoological Types and Classification.** Post 8vo, cloth, 5s.
- Stormonth.**—**The Student's Manual of Scientific Terms.** Pronouncing, Etymological, and Explanatory. Chiefly comprising terms in *Botany, Chemistry, Natural History, Medicine, and Veterinary Science.* By the Rev. JAMES STORMONTH, Author of 'The Etymological English Dictionary.' Crown 8vo, pp. 480. Second Edition. Price 7s. 6d.
- Cunningham (Principal John).**—**The Church History of Scotland,** from the commencement of the Christian Era to the Present Time. By JOHN CUNNINGHAM, D.D., Principal of St. Mary's College, St. Andrews. Second Edition. 2 vols. Post 8vo. 16s.
- Hamilton (Sir William).**—**The Works of Thomas Reid, D.D.** Active and Moral Powers; Inquiry into the Human Mind, &c. With Notes and Supplementary Dissertations by Sir WILLIAM HAMILTON, Bart., late Professor of Logic, University of Edinburgh. Prefaced with an Account of the Life and Writings of Reid, by Professor DUGALD STEWART. 2 vols. 8vo. Eighth Edition. £1 10s.

---

EDINBURGH: JAMES THIN, UNIVERSITY BOOKSELLER AND PUBLISHER.  
LONDON: SIMPKIN, MARSHALL & CO.

# LIVINGSTONE'S MEDICAL HANDBOOKS.

Symington's Topographical Anatomy of the Child . . . . .	£2/2/0
M'Lachlan's Applied Anatomy: Surgical, Medical, and Opera- tive, 2 vols. (3rd edition) . . . . .	18/0
Milne's Midwifery (2nd edition) . . . . .	12/6
Hughes' Nerves of the Human Body, with Plates . . . . .	7/6
Do. Manual of Surgical Anatomy . . . . .	net 4/6
Greville's Chemistry, with Tables (2nd edition) . . . . .	6/0
Husband's (H. Aubrey) Forensic Medicine and Public Health (5th edition) . . . . .	10/6
Do. Practice of Medicine, (4th edition) . . . . .	7/6
Do. Pocket Prescriber . . . . .	1/0
Do. Examination of the Urine (2nd edition) . . . . .	net 1/0
Croom's Minor Gynecology (2nd edition) . . . . .	6/0
Craig's Materia Medica (5th edition) . . . . .	6/0
Do. Posological Tables (New edition) . . . . .	net 1/0
Whitaker's The Brain and Spinal Cord (2nd edition) . . . . .	„ 5/0
Do. Notes on Pathology—Vol. I. General . . . . .	„ 4/6
Do. do. do. Vol. II. Special . . . . .	<i>In preparation.</i>
Martin's Treatise on Yellow Fever . . . . .	net 4/0
West's Vertebrate Zoology . . . . .	1/6
Hughes' Motor Nerves . . . . .	1/0
Turner's Dental Education . . . . .	net 1/0
Materia Medica Cards—ORGANIC AND INORGANIC (Two Sets), <i>Cate-</i> <i>chism Series</i> , per Set . . . . .	net 2/6
Pathology Cards—GENERAL AND SPECIAL (Two Sets), <i>Catechism</i> <i>Series</i> , per Set . . . . .	net 2/6
<i>Catechism Series can be also had in Note-Book form, same price.</i>	
Anatomy— <i>Catechism Series</i> , each Part . . . . .	net 1/0
Part 1.—Upper Extremity. Part 2.—Lower Extremity. Part 3.— Head and Neck. Part 4.—Abdomen. Part 5.—Thorax. Part 6.— Bones and Joints.	
Public Health— <i>Catechism Series</i> , each Part . . . . .	net 1/0
Part 1.—Water. Part 2.—Air and Ventilation. Part 3.—Sewage. Part 4.—Vital Statistics. Part 5.—Medicine, Food, Water-Closets, Disinfectants, Warming, Hospitals, etc.	
Materia Medica— <i>Catechism Series</i> , Parts 1, 2, 3, and 4—each . . . . .	net 1/0
Physiology— <i>Catechism Series</i> , Parts 1 and 2—each . . . . .	„ 1/0
Chemistry— <i>Catechism Series</i> , 2 Parts—each . . . . .	„ 1/0
Practice of Medicine, Part 1 . . . . .	„ 1/0
Poole's Vaccination Eruptions . . . . .	„ 4/6
Johnstone's Botany Notes (4th edition) . . . . .	„ 2/0
Do. Zoology Notes . . . . .	„ 3/6
Deuteronomy Smith; or, the Life of a Medical Student, Illustrated . . . . .	net 2/6
Edinburgh Medical School Calendar, by post . . . . .	1/9

EDINBURGH: E. & S. LIVINGSTONE, 15 TEVIOT PLACE.



# COLLINS' SCIENCE TEXT-BOOKS.

## ELEMENTARY SERIES.

- 1 **Practical Plane and Solid Geometry** By H. ANGEL, Islington Science School, London. 1s. 6d.
- 2 **Machine Construction and Drawing.** By E. TOMKINS. Vol. I. Text, 1s. Vol. II. Plates, 1s.
- 4a **Naval Architecture—Laying off.** By S. J. P. THEARLE, F.R.S.N.A., London. Vol. I. Text, 1s. Vol. II. Plates, 2s.
- 4b **Naval Architecture—Wood and Iron Shipbuilding.** By S. J. P. THEARLE. Vol. I. Text, 1s. Vol. II. Plates, 2s.
- 5 **Elementary Mathematics. A Complete Course of Practical Arithmetic, with Algebra and Euclid.** 2s.
- 6 **Dynamics.** By J. T. BOTTOMLEY. 1s. 6d.
- 6a **Hydrostatics.** By J. T. BOTTOMLEY. 1s. 6d.
- 6b **Dynamics and Hydrostatics,** 1 vol. By J. T. BOTTOMLEY. 3s.
- 7 **Applied Mechanics.** By H. EVERS. 1s. 6d.
- 8 **Acoustics, Light, and Heat.** By WM. LEES, M.A. 1s. 6d.
- 9 **Magnetism and Electricity.** By J. ANGELL. 2s. New and Enlarged Edition.
- 10a **Inorganic Chemistry.** By Dr. KEMSEHEAD. 2s.
- 10b **Inorganic Chemistry.** By W. VALENTIN. 2s.
- 11a **Organic Chemistry.** By W. M. WATTS. 1s.
- 11b **Practical Chemistry.** By J. HOWARD. 1s. 6d.
- 12 **Geology.** By W. S. DAVIS, LL.D. 1s.
- 13 **Mineralogy.** By J. H. COLLINS. 1s.
- 14 **Animal Physiology.** By J. ANGELL. 1s. 6d.
- 15a **Vegetable Anatomy and Physiology.** By Prof. BALFOUR. 1s.
- 15b **Systematic and Economic Botany.** By Prof. BALFOUR. 1s.
- 16 **General Biology.** 124 Illustrations. By T. C. MACGINLEY. 1s. 6d.
- 17 **Zoology.** By M. HARBISON. 1s.
- 18a **Principles of Coal Mining.** By J. H. COLLINS, F.G.S. 1s. 6d.
- 18b **Principles of Metal Mining.** By J. H. COLLINS, F.G.S. 1s. 6d.
- 20 **Navigation.** By Capt. W. H. BARHAM. 1s. 6d.
- 21 **Nautical Astronomy.** By H. EVERS. 1s.
- 22a **Steam and the Steam Engine—Land and Marine.** Dr. EVERS. 1s.
- 23 **Physical Geography.** By JOHN MAC-TURK, F.R.G.S. 1s.
- 24 **Agricultural Text-Book.** By Professor WRIGHTSON. 2s. 6d.
- 25b **Dietetics.** By E. WILLOUGHBY, M.B. 1s.
- 26 **Sanitary Science.** By R. S. BURN. 1s. 6d.
- 27 **Astronomy.** By J. J. PLUMMER. 1s.
- 28 **Qualitative Chemical Analysis.** By F. BEILSTEIN. 1s.
- 29 **Physiography.** By HUGH DICKIE, LL.D. With numerous Illustrations. 1s. 6d.

## ADVANCED SERIES.

- 1 **Practical Plane and Solid Geometry.** By H. ANGEL, Islington Science School, London. Vol. I., 4s. Vol. II., 6s.
- 2 **Machine Construction and Drawing.** By E. TOMKINS. Vol. I. Text, 3s. 6d. Vol. II. Plates, 7s.
- 4a **Practical Naval Architecture—Laying Off and Shipbuilding.** By S. J. P. THEARLE. Vol. I. Text, 2s. 6d. Vol. II. Plates, 5s.
- 4b **Theoretical Naval Architecture.** By S. J. P. THEARLE, F.R.S.N.A., London. Vol. I. Text, 3s. 6d. Vol. II. Plates, 7s.
- 4c **The Modern Practice of Shipbuilding in Iron and Steel.** By S. J. P. THEARLE. Vol. I. Text, 5s. Vol. II. Plates, 10s.
- 5 **Pure Mathematics.** By E. ATKINS, Leicester. 2 vols., each 2s. 6d.
- 8a **Acoustics, Light, and Heat.** By WM. LEES, M.A. 3s.
- 8b **Acoustics—Sound.** By WILLIAM LEES, M.A. 1s. 6d.
- 9 **Magnetism and Electricity.** By F. GUTHRIE, B.A., Ph.D. 3s. 6d.
- 10a **Inorganic Chemistry—Vol. I. Non-Metals.** By Professor THORPE, Ph.D., F.R.S., Yorkshire College of Science, Leeds. 3s.
- 10b **Inorganic Chemistry—Vol. II. Metals.** By Prof. T. E. THORPE, Ph.D. 3s.
- 13a **Mineralogy.** By J. H. COLLINS, F.G.S. 2 vol., 3s. each.
- 14 **Animal Physiology.** By J. CLELAND, M.D., F.R.S., Professor of Anatomy, Glasgow University. 2s. 6d.
- 19a **Metallurgy—Vol. I. Fuel, Iron, Steel, Tin, Antimony, Arsenic, Bismuth, and Platinum.** By W. GREENWOOD. 3s. 6d.
- 19b **Metallurgy—Vol. II. Copper, Lead, Zinc, Mercury, Silver, Gold, Nickel, Cobalt, and Aluminium.** By W. H. GREENWOOD, A.R.S.M. 3s.
- 22 **Steam and the Steam Engine—Land, Marine, and Locomotive.** By HENRY EVERS, LL.D., Newcastle-upon-Tyne. 3s.
- 23 **Physical Geography.** By JOHN YOUNG, M.D., Professor of Natural History, Glasgow University. 2s. 6d.

## ARTS SERIES.

**Practical Plane Geometry**, with 72 Plates, and Letterpress Description. By E. S. BURCHETT, National Art Training Schools, South Kensington, etc. Royal 8vo, Cloth. 5s.

WILLIAM COLLINS, SONS, & CO., Limited, Glasgow and London.

Fourth Edition, in 8vo, price 21s., cloth.

# English Constitutional History:

FROM THE TEUTONIC INVASION TO THE PRESENT TIME.

Designed as a Text-book for Students and others.

By T. P. TASWELL-LANGMEAD, B.C.L., BARRISTER AT LAW,

And Late Professor of Constitutional Law and History, University College, London,

Fourth Edition, Revised throughout, with Notes and Appendices.

By C. H. E. CARMICHAEL, M.A., OXON.

"To the student of constitutional law this work will be invaluable. . . . The book is remarkable for the raciness and vigour of its style. The editorial contributions of Mr. Carmichael are judicious, and add much to the value of the work."—*Scottish Law Review*.

"The work will continue to hold the field as the best class-book on the subject."—*Contemporary Review*.

Second Edition, in 8vo, enlarged, price 6s., cloth.

## LEADING CASES IN CONSTITUTIONAL LAW

BRIEFLY STATED WITH INTRODUCTION AND NOTES

By ERNEST C. THOMAS,

Bacon Scholar of the Hon. Society of Gray's Inn, Late Scholar of Trinity College, Oxford.

"Mr. E. C. Thomas has put together in a slim octavo a digest of the principal cases illustrating Constitutional Law, that is to say, all questions as to the right or authority of the Crown or persons under it, as regards not merely the constitution and stricture given to the governing body, but also the mode in which the sovereign power is to be exercised. In an introductory essay Mr. Thomas gives a very clear and intelligent survey of the general functions of the Executive, and the principles by which they are regulated; and then follows a summary of leading cases."—*Saturday Review*.

London: STEVENS & HAYNES, 13 Bell Yard, Temple Yard, W.C.

## WORKS BY DR. M'CALL ANDERSON,

Professor of Clinical Medicine in the University of Glasgow.

I. On the Treatment of Pulmonary Consumption. With Note of a Visit to Davos-Platz. 8vo. 1s.

II. On the Diagnosis and Treatment of Diseases of the Stomach. 1s.

III. On the Curability of Attacks of Tubercular Peritonitis and Acute Phthisis. Crown 8vo. 2s. 6d.

"Clinical histories which leave no doubt the author has successfully grappled with one of the most obstinate of maladies—Acute Tuberculosis."—*Dublin Medical Journal*.

"The cases adduced by Dr. Anderson are very striking. So far as we may judge from their description, the diagnosis of their tubercular nature was justified, and their amenability to a rational course of treatment decidedly unusual."—*The Lancet*.

IV. Lectures on Clinical Medicine. With Illustrations. 8vo. 10s. 6d.

CONTENTS:—Introduction—Pain as a symptom of disease—Gastral and cerebral vomiting—Hysteria—Spinal Irritation—Embolism—Disease of Pons varolii—Treatment of aneurism by Galvano-puncture—Aneurism of abdominal aorta—Tubercular Peritonitis—Acute Phthisis (galloping consumption)—Mediastinal tumour—Granular or gouty kidney—Multiple fatty tumours complicated with aneurism—Lupus verrucosus—Ephidrosis cruenta—Elephantiasis arabum—Vegetable parasitic affections.

"Very pleasant and profitable reading."—*The Lancet*.

"A valuable addition to our medical literature."—*British Medical Journal*.

"We hope that it will find its way into the hands of all students throughout the kingdom who are anxious to thoroughly master their profession."—*Student's Journal and Hospital Gazette*.

V. Illustrations of Syphilitic Diseases of the Nervous System; their Diagnosis and Treatment. 8vo. 5s.

MACMILLAN & CO., LONDON. JAMES MACLEHOSE & SONS, GLASGOW.

- ATLAS OF PELVIC ANATOMY.** D. BERRY HART, M.D., etc. 42s.  
**CONTRIBUTIONS TO THE SECTIONAL ANATOMY OF THE FEMALE PELVIS.** By the same Author. 12s. 6d.  
**A PRACTICAL TREATISE ON THE SPUTUM.** G. HUNTER MACKENZIE, M.D. 10s. 6d.  
**GOTTSTEIN'S DISEASES OF THE LARYNX.** Translated by P. McBRIDE, M.D., etc. 8s. 6d.  
**A GUIDE TO THE STUDY OF EAR DISEASE.** P. McBRIDE, M.D., etc. 7s. 6d.  
**STUDENT'S ATLAS OF BONES AND LIGAMENTS.** By C. W. CATHCART, M.B., etc., and F. M. CAIRD, M.B., etc. 15s.  
**A POPULAR ATLAS OF HUMAN ANATOMY AND PHYSIOLOGY.** Professor Sir WILLIAM TURNER. 25s.

*WILL BE READY SHORTLY.*

**SELECTED PAPERS ON GYNECOLOGY.** By D. BERRY HART, M.D. With Illustrations.

**COMPLETE CATALOGUE POST FREE.**

**W. & A. K. JOHNSTON,**

Edina Works, Easter Road, and 16 South Saint Andrew Street, Edinburgh;  
 5 White Hart Street, Warwick Lane, London, E.C.

*Gratis and Post Free to all Parts of the World.*

## **E. & F. N. SPON'S CATALOGUE OF BOOKS.**

Relating to Architecture and Building, Civil and Mechanical Engineering, Electricity, Electric Telegraph, Electric Light, Mining, Sanitation, Arts, Trades, and Manufactures.

**LONDON: E. & F. N. SPON, 125 STRAND.**

*In Preparation.*

## **A CLINICAL MANUAL OF OPHTHALMOLOGY,**

**BY FREELAND FERGUS, M.D.,**

Surgeon to the Glasgow Eye Infirmary,

*Formerly Ophthalmic Surgeon to the Glasgow Royal Infirmary.*



# ANDERSON'S COLLEGE MEDICAL SCHOOL, GLASGOW.

NEW BUILDINGS situated in DUMBARTON ROAD, within two minutes' walk of the Western Infirmary and four minutes' walk of the University.

THE WINTER SESSION WILL BE OPENED ON THURSDAY, 19TH OCTOBER, 1893, WITH AN INTRODUCTORY ADDRESS BY PROF. THOMAS KING, AND THE SUMMER SESSION ON 23RD APRIL, 1894.

## WINTER SESSION.

<i>Senior Anatomy</i> ... ..	10.45 A.M.	{	A. M. BUCHANAN, M.A., M.D., and Demonstrators.
<i>Regional Anatomy</i> ... ..	4 P.M.		
<i>Junior do.</i> ... ..	12 NOON.		
<i>Practical do.</i> ... ..	9 A.M. till 6 P.M.		
<i>Chemistry</i> ... ..	3 P.M.	{	J. ROBERTSON WATSON, M.A., and Assistants.
<i>Chemical Laboratory</i> ... ..	10 A.M. till 6 P.M.		
<i>Zoology</i> ... ..	2 P.M.	{	G. BELL TODD, M.B. D. CAMPBELL BLACK, M.D., and Assistant.
<i>Physiology</i> ... ..	1 P.M.		
<i>Materia Medica</i> ... ..	2 P.M.	{	ALEX. NAPIER, M.D., and Assistant. JAS. DUNLOP, M.D., and Assistant.
<i>Surgery</i> ... ..	1 P.M.		
<i>Practice of Medicine</i> ... ..	11 A.M.	{	SAMSON GEMMELL, M.D., and Assistant.
<i>Laryngology</i> ... ..	5 P.M.		
<i>Aural Surgery, Thursdays</i> ... ..	4 P.M.	{	JOHN MACINTYRE, M.B. THOMAS BARR, M.D.
<i>Ophthalmic Medicine and Surgery,</i> <i>Friday</i> ... ..	8 P.M.		
			T. SPENCE MEIGHAN, M.D.

## SUMMER SESSION.

<i>Osteology (for Beginners)</i> ... ..	9 A.M., 12 NOON, & 4 P.M.	<i>Physics</i> ... ..	9 A.M.
			VACANT.
<i>Regional Anatomy</i> ... ..	11 A.M. & 4 P.M.	<i>Practical Pharmacy</i> as may be arranged.	
<i>Practical Anatomy</i> ... ..	6 A.M. till 6 P.M.	<i>Midwifery and Diseases of Women and</i> <i>Children</i> ... ..	12 NOON.
<i>Practical Chemistry</i> ... ..	10 A.M. till 5 P.M.		W. L. REID, M.D., and Assistant.
<i>Medical Jurisprudence</i> ... ..	11 A.M.	<i>Practical Physiology</i> ... ..	1 P.M.
	T. KENNEDY DALZIEL, M.B.	<i>Operative Surgery</i> ... ..	1 P.M.
<i>Botany</i> ... ..	3 P.M.		THOMAS KING.
<i>Ophthalmic Surgery, Mondays &amp; Thursdays</i> ... ..	3 P.M.		T. SPENCE MEIGHAN, M.D.
<i>Hygiene and Public Health, Summer</i> { or Winter, as may be arranged, {			P. CALDWELL SMITH, M.A., M.D., D.P.H.Camb.
			J. ROBERTSON WATSON, M.A.
<i>Mental Diseases, Wednesdays</i> ... ..	3 P.M.		JOHN CARSWELL, L.R.C.P.E., L.F.F.S.G.

The Lectures at Anderson's College Medical School are recognized by the Universities of Glasgow and Edinburgh under certain conditions, which are stated in the Calendar. FEES for each Course of Lectures (Anatomy and Chemistry excepted)—First Session, £2 2s.; Second Session, £1 1s.; afterwards free. *Anatomy Class Fees*—Winter—First Session (including Practical Anatomy), £4 4s.; Second Session (including Practical Anatomy), £4 4s.; Third Session, £2 2s.

Practical Anatomy alone, £2 2s. To those who have attended the necessary Courses of Practical Anatomy the Fee will be £1 1s. Summer—Demonstrations and Practical Anatomy, £2 2s.; Demonstrations alone, £1 11s. 6d.; Practical Anatomy alone, £1 1s.; Osteology and Practical Anatomy, £2 2s.; Osteology alone, £1 11s. 6d. *Chemistry Class Fees*—First Session, £2 2s.; Second Session, £2 2s. Matriculation Fee, 10s. to those taking out two or more classes, 5s. to those taking out one class only. The Matriculation Fee of 10s. represents a combined Fee for the Winter and Summer Sessions. Students who have attended classes at other schools will be admitted to these classes at the reduced fees.

*A Calendar may be obtained from*

PROF. T. KENNEDY DALZIEL, M.B., ANDERSON'S COLLEGE MEDICAL SCHOOL, DUMBARTON ROAD, PARTICK, GLASGOW.

## Faculty of Physicians & Surgeons of Glasgow.

EXAMINATIONS for the Surgical Licence of the Faculty, are held at stated quarterly periods.

Examinations for the Fellowship of the Faculty are held in April, July, and October.

Examinations for the Triple Qualification and for the Conjoint Diploma in Public Health are held in Edinburgh and Glasgow at stated periods.

Copies of the Regulations relating to the Licence, the Fellowship, the Triple Qualification, and the Conjoint Diploma in Public Health, may be had on application.

ALEXANDER DUNCAN, B.A.,  
*Secretary.*

FACULTY HALL,  
242 ST. VINCENT STREET,  
GLASGOW, June, 1893.

JAMES MORE,  
Many years with the late

**JAMES WHITE, Optician,**  
PRUDENTIAL BUILDINGS, 77 RENFIELD STREET.  
SPECTACLES AND EYE-GLASSES

Are made to Correct or Remove every Remediable Peculiarity or Defect of Vision.  
*Prices of SPECTACLES in Steel Frames.*

GLASS, - - - - - from 2/6  
PEBBLE, - - - - - „ 7/6

*Prices of EYE-GLASSES in Steel Frames.*

GLASS, - - - - - from 3/6  
PEBBLE, - - - - - „ 7/6

**KALISTON FOLDERS—The Perfection of Eye-Glasses.**

Ease, Comfort, Appearance, secured by their wear. Fatigue and Pressure reduced to the minimum. Prices, with the Finest Lenses, from 4/6.

**Sole Agent for Henry Crouch's Microscopes, etc.**

# ST. MUNGO'S COLLEGE, GLASGOW,

## 86 CASTLE STREET.

The Class-Rooms and Laboratories of the Medical Faculty of this College are situated within the Grounds of the Glasgow Royal Infirmary, and the unsurpassed clinical field of that institution is available for the students of the College.

*The Winter Session opens on October 17th, 1893, and the Summer Session on April 25th, 1894.*

### LECTURES AND DEMONSTRATIONS.

#### WINTER.

Elementary Physics, 12.15 p.m.,	-	-	-	-	-	{ Prof. BLYTH (at the Technical College).
Zoology, 11 a.m.,	-	-	-	-	-	{ Commencing in November. }
Practical Zoology, 10 a.m.,	-	-	-	-	-	
Advanced Embryology, 4 p.m.,	-	-	-	-	-	Prof. EDWARD E. PRINCE.
Chemistry, 10 a.m.,	-	-	-	-	-	Prof. JAMES M. MILNE.
Junior Anatomy, 2 p.m.,	-	-	-	-	-	{ Prof. R. T. KENT and Demonstrators.
Senior Anatomy, 12 noon,	-	-	-	-	-	
Osteology,	-	-	-	-	-	{ Prof. HENRY E. CLARK. Prof. D. N. KNOX.
Practical Anatomy, 10 a.m., 5 p.m.,	-	-	-	-	-	
Surgery, 11 a.m.,	-	-	-	-	-	Prof. ROBERTSON.
Clinical Surgery, 9 a.m.,	-	-	-	-	-	Prof. M'VAIL.
Practice of Medicine, 12 noon,	-	-	-	-	-	Prof. DOUGALL.
Clinical Medicine, 9 a.m.,	-	-	-	-	-	{ Prof. BARLOW. Dr. J. LINDSAY STEVEN.
Materia Medica, 3 p.m.,	-	-	-	-	-	
Physiology (Notman Chair), 11 a.m.,	-	-	-	-	-	Prof. NAPIER.
Practical Physiology,	-	-	-	-	-	Dr. JAMES K. KELLY.
Pathology, 4 p.m.,	-	-	-	-	-	Dr. FULLERTON.
Ophthalmology, 3-4 p.m., Monday, Wednesday, and Friday,	-	-	-	-	-	
Gynæcology, 1 p.m., Monday, Wednesday, and Friday,	-	-	-	-	-	
Throat and Nose, 12 noon, Tuesday and Friday,	-	-	-	-	-	
Public Health Laboratory, daily.	-	-	-	-	-	Hospital Dispensary, daily, 2 p.m.

#### SUMMER.

Botany, 9 a.m.,	-	-	-	-	-	Prof. JAMES SWANSON, M.A.
Clinical Surgery, 9 a.m.,	-	-	-	-	-	Prof. D. N. KNOX.
Operative Surgery, 11.30 a.m.,	-	-	-	-	-	Dr. WHITSON.
Surgical Diseases of Children, 11.30 a.m., Tuesdays and Thursdays,	-	-	-	-	-	Dr. JAMES A. ADAMS.
Medical Chemistry, 10 a.m.,	-	-	-	-	-	Prof. JAMES M. MILNE.
Anatomy, 11 a.m.,	-	-	-	-	-	{ Prof. R. T. KENT and Demonstrators.
Practical Anatomy, 6 a.m. to 5 p.m.,	-	-	-	-	-	
Osteology,	-	-	-	-	-	Dr. J. LINDSAY STEVEN.
Practical Pathology, 8 a.m.,	-	-	-	-	-	Prof. GLAISTER and Dr. JOHN C. M'VAIL.
Hygiene, 4 p.m., Mon., Wed., and Fri.,	-	-	-	-	-	Prof. BARLOW.
Practical Physiology, 8 a.m.,	-	-	-	-	-	Prof. JAMES STIRTON.
Midwifery, 3 p.m.,	-	-	-	-	-	Prof. M'VAIL.
Clinical Medicine, 9 a.m.,	-	-	-	-	-	Prof. GLAISTER.
Medical Jurisprudence, 11 a.m.,	-	-	-	-	-	Dr. MORTON.
Dermatology, 12 noon, Tuesday and Thursday,	-	-	-	-	-	Dr. J. K. LOVE.
Otology, 3.30 p.m., Tuesday and Friday,	-	-	-	-	-	Dr. CHARLES WORKMAN.
Bacteriology, 11.30 a.m., Tuesday and Friday,	-	-	-	-	-	
Psychological Medicine (Mackintosh Lectureship), 2 p.m., Thursday. Cliniques at Bothwell Asylum on Saturday afternoons,	-	-	-	-	-	Dr. A. C. CLARK.
						Hospital Dispensary, daily, 2 p.m.



**Sessional Fees.**—First year, £15 15s.; second year, £15 15s.; third year, £10 10s.; fourth year (and perpetual), £5 5s. Admitting to all the compulsory and optional classes.

**Class Fees.**—£2 2s. each Class, excepting Anatomy, £4 4s.; Pathology, £3 3s. (for Theoretical and Practical Classes together); Otology, Throat and Nose, and Dermatology, £1 1s.

**Hospital Fees.**—First year, £10 10s.; second year and perpetual, £10 10s. To perpetual students of other hospitals in the United Kingdom, where the perpetual fee is equal to that of the Royal Infirmary, admitting to one course of either medical or surgical clinical instruction for six months, £2 2s.

Full information respecting Fees may be obtained from Prof. CLARK, Dean of the Faculty of Medicine.

## FACULTY OF LAW.

Class-Rooms—WELLINGTON BUILDINGS, 111 BATH STREET.

<b>Roman Law,</b>	-	-	8.30 a.m. A.W.S.*	J. B. DOUGLAS, M.A.
<b>Scots Law</b> (Civil and Criminal),	-	-	5.15 p.m. A.W.S.	W. R. HERKLESS, M.A., LL.B.
<b>Land Rights and Conveyancing,</b>	-	-	8.30 a.m. A.W.S.	A. M. LINDSAY, M.A.
<b>Commercial Law,</b>	-	-	5.15 p.m. A.W.S.	RICHARD BROWN.
<b>Evidence and Law Procedure,</b>	-	-	8.30 a.m. A.W.	ROBERT URE, M.A., LL.B.
<b>Forensic Medicine,</b>	-	-	5 p.m. W.S.	JOHN GLAISTER, M.D.
<b>Constitutional Law and History,</b>	-	-	5 p.m. A.W.	WILLIAM FINDLAY, M.A., LL.B.
<b>Political Economy and Statistics,</b>	-	-	5 p.m. A.W.	J. C. MORRISON, M.A., LL.B.
<b>Public Law,</b>	-	-		

\*The longer Courses are held on three days a-week, the shorter on two, during the Autumn, Winter, and Spring Terms.

Fees for Longer Courses, £3 3s.; Fees for Shorter Courses, £2 2s.

Attendance on these Classes covers the Law Subjects of the Law Agents' Examination, and the Examinations of the Institute of Bankers in Scotland, and the Institute of Accountants and Actuaries in Glasgow.

Full particulars as to Degrees, Diplomas, Qualifying Courses and Sessional and Class Fees in Law and Medicine may be obtained in the Calendar of the College, or as regards the Medical Faculty on application to Prof. CLARK, and as regards the Law Faculty on application to Mr. HENRY LAMOND, Secretary, 93 West Regent Street, Glasgow.

# THE GLASGOW SCHOOL OF ART,

CORPORATION BUILDINGS, SAUCHIEHALL STREET, AND  
EXTENSION AT 162 BATH STREET.

Head Master,	-	-	-	-	-	-	-	Mr. FRA. H. NEWBERY.
Second Master,	-	-	-	-	-	-	-	Mr. JAMES M. DUNLOP.
Design,	-	-	-	-	-	-	-	Mr. A. ASTON NICHOLAS.
Modelling,	-	-	-	-	-	-	-	Mr. KELLOCK BROWN.

And Assistant Teachers.

Classes Daily (Saturdays excepted)—Day, 10 to 4; Afternoon, 2 to 4;  
Evening, 7.15 to 9.15.

**LIFE CLASSES.**—Drawing and Painting, Daily, 10 A.M. to 2 P.M.—Advanced Male and Female. Head Life for beginners—Mondays and Fridays, 2 to 4 P.M. Every Evening—Advanced and Elementary, with Modelling.

**APPLIED DESIGN CLASSES,** Daily—Male and Female.

Studios for Glass Staining, Wood Carving, Metal Work, Bookbinding, and Needlework.

Complete Architectural Course in preparation for the R.I.B.A.

*Prospectuses may be obtained at the School.*

A Travelling Scholarship of £50, and 75 Bursaries of varying sums, tenable at the School, are granted by the Haldane Trustees.

Session commences MONDAY, 4th September, 1893.

June, 1893.

EDWARD R. CATTERNS, Secy. and Treas.

# TEXT BOOKS FOR LAW STUDENTS

PUBLISHED BY BELL & BRADFUTE, EDINBURGH.

*In One Large Volume, Royal 8vo, Half Morocco, Gilt Top, Price 40s.*

**BELL'S DICTIONARY AND DIGEST OF THE LAW OF SCOTLAND.** Seventh Edition. By GEORGE WATSON, Esq., M.A., Advocate.

*In Two Volumes, Demy 4to, Price 42s.*

**ERSKINE'S INSTITUTE OF THE LAW OF SCOTLAND.** With the Notes of Lord Ivory and previous Editors, and additional Notes. By JAMES BADENOCH NICOLSON, Esq., Advocate.

*In One Volume, Demy 8vo, Price 21s.*

**ERSKINE'S PRINCIPLES OF THE LAW OF SCOTLAND.** Eighteenth Edition. By JOHN RANKINE, Esq., M.A., Professor of Scots Law in the University of Edinburgh.

*In Two Volumes, Royal 8vo, Price 63s.*

**LECTURES ON CONVEYANCING.** By the late ALEXANDER MONTGOMERIE BELL, W.S., Professor of Conveyancing in the University of Edinburgh. Third Edition, Carefully Revised. With Notes on Recent Statutes and Decisions.

*In One Volume, Demy 8vo, Price 16s.*

**A MANUAL OF CONVEYANCING** in the Form of Examinations embracing both Personal and Heritable Rights. By the late JOHN HENDRY, W.S.; with Notes added to the Second Edition by JOHN T. MOWBRAY, W.S. Fourth Edition, Revised by JOHN PHILP WOOD, Esq., W.S., Professor of Conveyancing in the University of Edinburgh.

*In One Volume, Demy 8vo, Price 20s.*

**THE CONVEYANCING CODE,** being the Modern Acts relating to Conveyancing and Registration, Printed so as to distinguish the Provisions now operative from those which have been repealed or superseded by later enactments, with very full Notes appended to each Section and Schedule.

With Supplement, consisting of Marginal Notes, bringing it down to date, 15th October, 1883. By J. HENDERSON BEGG, Esq., Advocate.

*Demy 8vo, Price 12s.*

**SCOTTISH LAW OF CONVEYANCING HERITABLE RIGHTS.** Second Edition, Revised and Enlarged. By JOHN CRAIGIE, Esq., M.A., LL.B., Advocate.

"Altogether we heartily commend this work, in its revised work, and predict for it a success even beyond that enjoyed by its predecessors."—*Scottish Law Review*.

*In One Volume, Crown 8vo, Price 5s.*

**SYNOPSIS OF SHERIFF COURT PRACTICE: CIVIL AND CRIMINAL.** By W. J. LEWIS, B.L., S.S.C.

"We can recommend it to all in any way interested in Sheriff Court work."—*Scottish Leader*.

*In One Volume, Crown 8vo, Price 8s. 6d.*

**THE CRIMINAL LAW OF SCOTLAND.** By A. M. ANDERSON, M.A., LL.B., Advocate.

"As a smaller work upon the Criminal Law of Scotland, brought up to the present day, it will be found to give a very useful account of the actual law in Scotland, and will also be found to contain, in virtue of its terse style and lucid arrangement, considerably more practical information than its size would have led one to expect."—*Juridical Review*.

# ENGLISH AND SCOTTISH LAW LIFE ASSURANCE ASSOCIATION.

Established 1839. Subscribed Capital—One Million.  
Claims Paid, £3,150,000. Invested Funds, £1,801,000.

Whole-Term and Endowment Assurances, with or without participation in profits, at Economical Rates, and with Non-Forfeiture Privileges.

“Double Benefit” Policies, the Sum Assured being payable

- (1) at Death, before attaining a SPECIFIED AGE, or on attaining that age ;
- (2) and again at DEATH thereafter.

The Endowment Assurance Policies granted by the Association form a safe, convenient, and profitable form of Investment.

Naval and Military Risks, including War License, at Moderate Premiums.

Nine-Tenths of Profits belong to the Assured.

At the NINTH DIVISION of PROFITS at CHRISTMAS, 1890,

**Bonus Additions** were declared at the Increased rate of **£2 per cent.** per Annum on both WHOLE-TERM and ENDOWMENT ASSURANCES; with substantial INTERIM BONUS thereafter.

Annuities granted on favourable terms.

Loans granted on Approved Securities in connection with LIFE ASSURANCE.

## CHIEF OFFICES:

EDINBURGH—120 PRINCES STREET. | LONDON—12 WATERLOO PLACE.

GLASGOW BRANCH—10 GORDON STREET.

CHARLES H. BARCLAY, *Secretary.*

# MATHEMATICS, PHYSICS,

AND

## MECHANICAL AND ENGINEERING SCIENCE.

*Mr. Peter Alexander, M.A.,*

Gives instruction in the above subjects, either independently or in connection with the University Classes, at

26 SMITH STREET, HILLHEAD.

He also prepares Students in the above subjects for Examination in Arts, the Civil Service, &c.

## DEGREE CLASSES

Will be formed in the beginning of November to prepare Students for the Examination in April, 1894.

## English.

8th Edition. Revised and Enlarged. 856 pp. Price 7/6.

**A MANUAL OF OUR MOTHER TONGUE.** By H. MARMADUKE HEWITT, M.A., LL.M. Revised by GEO. BEACH, M.A., LL.D.

"Far and away the best book on grammar and the history of the English language."  
—*Matriculation Directory*.

552 pp. Cr. 8vo. Half Bound. Price 4/6.

**A CONCISE HISTORY OF ENGLAND and the ENGLISH PEOPLE.**

By Rev. Sir G. W. Cox, Bart., Author of "A History of Greece," "The Mythology of the Aryans," etc., etc.

In a column-and-quarter review, the *Daily Chronicle* says (April, 1893),—"Set forth with admirable lucidity; a most serviceable manual."

*Times* (April, 1893)—"Written by a very competent hand."

## Mathematics.

8th Edition. Revised and Corrected. Price 4/6.

**CATCH QUESTIONS IN ARITHMETIC AND MENSURATION.** By Rev. A. D. CAPEL, M.A. (St. John's, Cambridge). Author of "Handbooks of Arithmetic and Algebra," "Tips in Algebra," etc., etc.

*The special object of this book is to show how problems may be solved.*

"We cannot too strongly recommend this admirable book to all preparing for exams. The whole work teems with suggestions, apt and valuable."—*Teachers' Aid*.

Cr. 8vo. Cloth extra. Price 2/6.

**HANDBOOK OF ALGEBRA FOR COLLEGE USE.** By the same Author.

*Specially designed for Examinations.*

"We can heartily recommend Mr. Capel's book."—*Schoolmaster*.

"Its exposition of principles, illustrations of practice and practical exercises, are admirable."  
—*Educational News*.

**COMMON-SENSE EUCLID.** Part I., Books I. & II. Price 1/6. With upwards of three hundred graduated Riders and Hints for their Solution.

Part II., Books III. & IV., with Riders. Price 2/-.

*The Teachers' Aid* says—"We can hardly speak too highly of this work. To the Teacher and the Student it must prove equally valuable."

"A candidate who has conscientiously worked through this book will not fear any examination."—*The Schoolmaster*.

"No better method than this can be conceived for making a beginner understand."—*School Guardian*.

Cr. 8vo. Cloth. Price 7/6.

**STUDENTS' PLANE TRIGONOMETRY.** With upwards of 1500 Exercises. *Specially adapted to the present system of Examinations.* By T. RONEY.

"An admirable book for examination candidates."—*School Board Chronicle*.

"A special feature of the book is the large number of examination questions."—*Publishers' Circular*.

**SUPPLEMENT** to ditto. Price 7/6.

Cr. 8vo. Cloth. Price 4/6.

**FOUR FIG. LOGS AND OTHER TABLES.** By LOWIS D'A. JACKSON, A.M.I.C.C.

## Oriental Languages.

*Oriental Catalogue gratis on application.*

LONDON: W. H. ALLEN & CO., LD., 13 WATERLOO PLACE, S.W.



Univ. Cal.  
G

THE  
GLASGOW UNIVERSITY  
CALENDAR

FOR THE YEAR

1893-94.

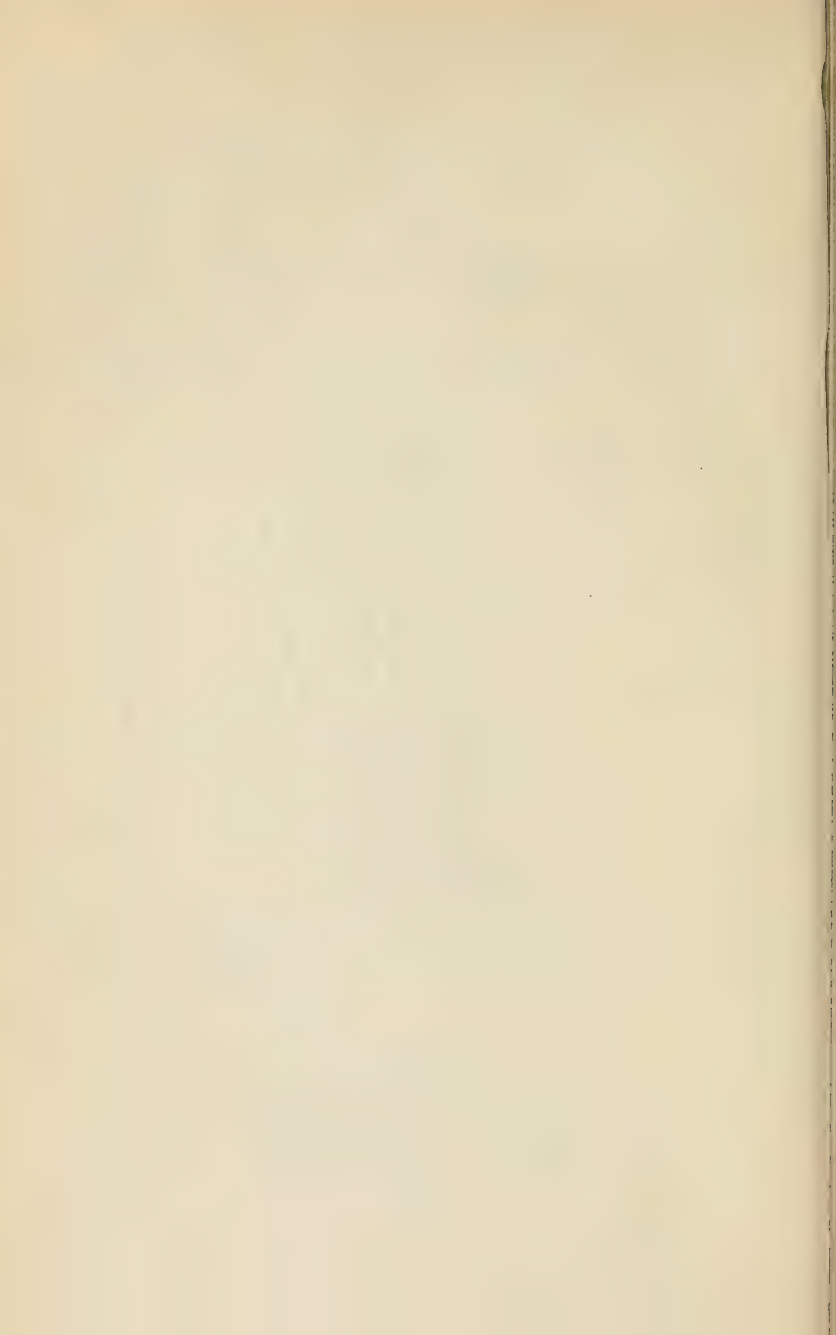


28806  
8/8/93

GLASGOW :  
JAMES MACLEHOSE & SONS, 61 ST. VINCENT STREET,  
Publishers and Booksellers to the University.

EDINBURGH : DOUGLAS AND FOULIS.

1893.



# CONTENTS.

	PAGE
CALENDAR, . . . . .	7
UNIVERSITY OFFICERS, . . . . .	17
I.—THE UNIVERSITY, . . . . .	23
University Buildings, . . . . .	25
Government of the University, . . . . .	27
Chancellor, . . . . .	28
Rector, . . . . .	29
Dean of Faculties, . . . . .	30
Principal, . . . . .	31
University Court, . . . . .	32
Senatus Academicus, . . . . .	34
Lecturers, . . . . .	34
University Assistants or Demonstrators, . . . . .	34
Examiners for Degrees, . . . . .	35
General Council, . . . . .	36
Students' Representative Council, . . . . .	38
Students, . . . . .	38
University Chapel, . . . . .	40
Gymnasium, . . . . .	40
Examination for Candidates for the Army, . . . . .	41
II.—TABLE OF UNIVERSITY FEES, . . . . .	41
III.—SEPARATE FACULTIES AND CLASSES, . . . . .	44
1.—FACULTY OF ARTS, . . . . .	50
A. Language and Literature, . . . . .	50
Humanity, . . . . .	50
Greek, . . . . .	53
English Language and Literature, . . . . .	55
Oriental Languages, . . . . .	57
B. Mental Philosophy, . . . . .	57
Logic and Rhetoric, . . . . .	57
Moral Philosophy, . . . . .	58
Political Economy, . . . . .	59
C. Science, . . . . .	60
Mathematics, . . . . .	60
Natural Philosophy, . . . . .	61
Practical Astronomy, . . . . .	63
Chemistry, . . . . .	64

	PAGE
Zoology, . . . . .	64
Botany, . . . . .	64
Geology, . . . . .	64
D. History and Law, . . . . .	65
Constitutional Law and History, . . . . .	65
Roman Law, . . . . .	65
Public Law, . . . . .	65
2.—FACULTY OF SCIENCE, . . . . .	65
Mathematics, . . . . .	65
Natural Philosophy, . . . . .	65
Astronomy, . . . . .	65
Chemistry, . . . . .	65
Human Anatomy, including Anthropology, . . . . .	65
Physiology, . . . . .	65
Geology, including Mineralogy, . . . . .	65
Zoology, including Comparative Anatomy, . . . . .	65
Botany, including Vegetable Physiology, . . . . .	65
Civil Engineering and Mechanics, . . . . .	66
Naval Architecture, including Marine Engineering, . . . . .	68
3.—FACULTY OF MEDICINE, . . . . .	69
Practice of Medicine, . . . . .	69
Anatomy, . . . . .	72
Natural History, . . . . .	73
Surgery, . . . . .	74
Midwifery, . . . . .	75
Chemistry, . . . . .	76
Botany, . . . . .	78
Materia Medica, . . . . .	79
Institutes of Medicine, . . . . .	79
Medical Jurisprudence, . . . . .	81
Clinical Surgery, . . . . .	81
Clinical Medicine, . . . . .	82
Pathology, . . . . .	82
Diseases of the Eye, . . . . .	82
Waltonian Medical Lectureship, . . . . .	83
Insanity, . . . . .	83
4.—FACULTY OF LAW, . . . . .	83
Law, . . . . .	87
Conveyancing, . . . . .	88
Medical Jurisprudence, . . . . .	89
Public Law, . . . . .	90
Constitutional Law and History, . . . . .	91
5.—FACULTY OF THEOLOGY, . . . . .	92
Divinity, . . . . .	94
Oriental Languages, . . . . .	95
Ecclesiastical History, . . . . .	96
Divinity and Biblical Criticism, . . . . .	97



	PAGE
IV.—LECTURESHIPS, DEMONSTRATORSHIPS, &c.,	98
Arnott and Thomson Demonstratorship in Experimental Physics,	98
Muirhead Demonstratorship of Physiology,	98
William Baxter Demonstratorship in Geology,	99
Gifford Lectureship on Natural Theology,	101
German Literature,	102
V.—WOMEN'S DEPARTMENT,	102
VI.—LIBRARIES, MUSEUM, BOTANIC GARDEN,	103
University Library,	103
Catalogues,	107
Reading Room,	107
Donations,	108
Divinity Hall Library,	116
Hunterian Museum,	116
Botanic Garden,	118
VII.—GRADUATION IN THE SEVERAL FACULTIES,	119
Examiners,	119
Regulations for Granting Degrees,	121
1.—GRADUATION IN ARTS,	121
Preliminary Examination in Arts, Science, and Medicine,	121
Degree of Master of Arts,	125
Subjects of Examination for M.A.,	132
Table of Examinations for M.A., for L.A., and for	
Diploma for Teachers,	138
Certificate of Literate in Arts,	139
Diploma for Teachers,	142
2.—GRADUATION IN SCIENCE,	143
Degrees in Pure Science,	143
Degrees in Science in Engineering,	147
Table of Examinations for B.Sc.,	151
Certificate of Proficiency in Engineering Science,	152
3.—HIGHER DEGREES IN LETTERS AND PHILOSOPHY,	153
4.—GRADUATION IN MEDICINE AND SURGERY,	155
Table of Examinations for Degrees in Medicine,	171
5.—GRADUATION IN LAW,	174
Table of Examinations for Degrees in Law,	179
6.—GRADUATION IN DIVINITY,	180
Bachelor of Divinity,	180
Doctor of Divinity,	182
7.—HONORARY DEGREE OF DOCTOR OF LAWS,	183
ACADEMIC DRESS,	184

	PAGE
VIII.—BURSARIES, SCHOLARSHIPS, &c., PRIZES, . . . . .	186
1.—BURSARIES—	
A. Bursaries arranged according to Faculties, . . . . .	186
B. Bursaries alphabetically arranged, . . . . .	189
2.—EXHIBITIONS, FELLOWSHIPS, AND SCHOLARSHIPS, . . . . .	238
3.—PRIZES, . . . . .	259
4.—LIST OF BURSARIES, &c., OPEN TO COMPETITION DURING SESSION 1893-94, . . . . .	269
5.—UNIVERSITY PRIZE ESSAYS FOR SESSION 1893-94, . . . . .	277
IX.—HONOUR LIST, . . . . .	279
X.—DEGREE AND PRIZE LIST, SESSION 1892-93, . . . . .	289
XI.—EXAMINATION QUESTIONS, . . . . .	336
1.—FOR PRELIMINARY EXAMINATIONS IN ARTS AND SCIENCE AND FOR OPEN BURSARIES, . . . . .	336
2.—FOR DEGREE OF M.A., . . . . .	369
3.—FOR DEGREE OF B.Sc., . . . . .	397
4.—FOR DEGREES OF M.B. AND C.M.:—	
(1.) Preliminary Examination, . . . . .	412
(2.) Professional Examinations, . . . . .	421
5.—FOR DEGREES OF LL.B. AND B.L., . . . . .	433
6.—FOR LUKE HISTORICAL PRIZE, . . . . .	438
7.—FOR CLASS EXAMINATIONS, . . . . .	440
XII.—VACATION EXERCISES, &c., 1893-94, . . . . .	442
XIII.—ABSTRACT OF THE PROCEEDINGS OF THE UNIVERSITY COURT, 1892-93, . . . . .	445
XIV.—FINANCIAL STATEMENT FOR THE YEAR 1891-92, . . . . .	458
APPENDIX I.—List of Members of the General Council, . . . . .	466
" II.—New Ordinances, etc., . . . . .	504
" III.—List of Recognized Extra-Academical Lecturers, . . . . .	511
" IV.—Glasgow University Extension Board, . . . . .	513
" V.—University Societies, . . . . .	514
GENERAL INDEX, . . . . .	525

7

AUGUST 1893.

1	Tu
2	W
3	Th
4	F
5	S
6	S
7	M
8	Tu
9	W
10	Th
11	F
12	S
13	S
14	M
15	Tu
16	W
17	Th
18	F
19	S
20	S
21	M
22	Tu
23	W
24	Th
25	F
26	S
27	S
28	M
29	Tu
30	W
31	Th

SEPTEMBER 1893.

1	F
2	S
3	S
4	M
5	Tu
6	W
7	Th
8	F
9	S
10	S
11	M
12	Tu
13	W
14	Th
15	F
16	S
17	S
18	M
19	Tu
20	W
21	Th
22	F
23	S
24	S
25	M
26	Tu
27	W
28	Th
29	F
30	S

Names of Candidates for Bursaries in the gift of the Merchants' House, for Hutchesons' Educational Trust Bursaries, for Glasgow City Educational Endowments Bursaries, for James Laing Bursaries, for Marshall Bursaries, and for Hannay Bursary to be given in as directed at p. 274. Names of Candidates for Ferguson Scholarships to be given in before this day.

Names of Candidates for Preliminary Examination in Arts, Science, and Medicine, for Preliminary Examination in French and German for B.L., and Names of Competitors for Bursaries, to be given in to Assistant-Clerk (Matriculation Office).

Names of Candidates for First, Second, and Third Professional Examinations in Medicine, for B.Sc. Examinations in Science, and for Certificate in Engineering Science, to be given in to Assistant-Clerk (Matriculation Office).

Preliminary Examinations in Arts, Science, Medicine, and Law begin. See p. 124 and p. 179. Competition for Bursaries begins.

## OCTOBER 1893.

1	S	
2	M	{ Matriculation for the Academic year begins. Names of Candidates for Degrees in Law and Arts, for Certificate of Literate in Arts, for Diploma for Teachers, and for Scholarships, &c., given in to Assistant-Clerk (Matriculation Office). Examina- tions for Ferguson Scholarships commence.
3	Tu	
4	W	
5	Th	
6	F	
7	S	Examinations for Degrees in Science (Astronomy, Geology).
8	S	
9	M	{ Examinations for Degrees in Medicine and Science (Zoology, Botany, Chemistry) } Competition for the Rainy and Lorimer Bursaries.
10	Tu	
11	W	{ Do. do., (Physics, Physiology, Anatomy, Civil Engineering, Engineering Drawing, Naval Archi- tecture, Ship Design). }
12	Th	
13	F	
14	S	
15	S	



## OCTOBER 1893.

16	M	Examinations in Law Subjects for Degrees in Law on this and two following days. (See p. 179.)
17	Tu	Results of Bursary Competition declared.
18	W	
19	Th	{ Classes in Faculties of Arts and Medicine meet. Professor Charteris's address to Medical Students. Meeting of University Court. Appointment of University Assistants. Governors at Victoria Infirmary and Managers at Western Infirmary appointed.
20	F	Theses for M.D. given in.
21	S	Examinations for Degrees of M.A., B.Sc. (Arts Subjects), B.L. (Arts Subjects), etc., begin. (See pp. 138, 151, 179.)
22	S	
23	M	
24	Tu	Classes in Faculty of Law meet.
25	W	Meeting of General Council.
26	Th	
27	F	Names of Candidates for Degree of B.D. and for Bursaries in Divinity to be given in to Assistant-Clerk (Matriculation Office).
28	S	Examination for Arnott Prizes at 2 P.M.
29	S	
30	M	
31	Tu	{ Last day for receiving Tradesmen's and other Accounts for preceding half-year. Classes in Faculty of Divinity meet. Dr. Dickson's address.

## NOVEMBER 1893.

1	W	
2	Th	{ Meeting of Senate. Election of Library and other Committees. Professors' Accounts for small Class expenses to be given in. Examinations for B.D., and for Bursaries in Divinity, 1st day.
3	F	Do. do., 2nd day.
4	S	
5	S	
6	M	
7	Tu	
8	W	
9	Th	{ Meeting of Senate. Graduation. Representatives at Charitable and other Boards elected. Meeting of University Court. Accounts for half-year ending 31st October.
10	F	
11	S	
12	S	
13	M	
14	Tu	{ Last day for giving in University Prize Essays. Matriculation ends.
15	W	Election of Rector.
16	Th	Class List transmitted by each Professor and Lecturer to Assistant-Clerk (Matriculation Office).
17	F	
18	S	
19	S	
20	M	
21	Tu	

## NOVEMBER 1893.

22	W
23	Th
24	F
25	S
26	S
27	M
28	Tu
29	W
30	Th

## DECEMBER 1893.

1	F
2	S
3	S
4	M
5	Tu
6	W
7	Th
8	F
9	S
10	S
11	M
12	Tu
13	W
14	Th
15	F
16	S
17	S
18	M
19	T
20	W
21	Th
22	F
23	S
24	S
25	M
26	T
27	W
28	Th
29	F
30	S
31	S

{ Meeting of Senate. Class Lists examined. Election of Armagh Bursar.  
Vacancies in Bursaries ascertained

Payment of Tradesmen's Accounts.

Meeting of the University Court.

Christmas Holidays commence.

## JANUARY 1894.

1	M	
2	Tu	
3	W	
4	Th	
5	F	
6	S	
7	S	
8	M	
9	Tu	First day on which the Classes meet after the Christmas Holidays.
10	W	{ (Second Thursday.) Meeting of Senate. Vacant Bursaries filled up. Appointment of Committees. Meeting of University Court.
11	Th	
12	F	
13	S	
14	S	
15	M	
16	Tu	
17	W	
18	Th	
19	F	
20	S	
21	S	
22	M	
23	Tu	
24	W	
25	Th	
26	F	
27	S	
28	S	
29	M	Holiday (Monday after last Friday of January).
30	Tu	*Holiday (for Candlemas).
31	W	

## FEBRUARY 1894.

1	Th	Meeting of Senate.
2	F	
3	S	
4	S	
5	M	
6	Tu	
7	W	
8	Th	(Second Thursday.) Meeting of University Court.
9	F	
10	S	
11	S	
12	M	
13	Tu	
14	W	
15	Th	
16	F	
17	S	
18	S	
19	M	
20	T	
21	W	
22	Th	
23	F	
24	S	
25	S	
26	M	Holiday (Monday after last Friday of February).
27	Tu	
28	W	

\*The Candlemas and Monthly Holidays are not observed in the Medical Faculty.



## MARCH 1894.

1	Th	Meeting of Senate. Reports of Committees on Honorary Degrees.
2	F	
3	S	
4	S	
5	M	
6	Tu	
7	W	{ Names of Candidates for First, Second, and Third Professional Examinations in Medicine, for B.Sc. Examinations in Science, and for Certificate in Engineering Science, given in to Assistant-Clerk (Matriculation Office). Names of Candidates for Preliminary Examination in Arts, Science, and Medicine, and for French and German for B.L., to be given in to Assistant-Clerk (Matriculation Office).
8	Th	Meeting of University Court.
9	F	Reports on Prize Essays.
10	S	{ Last day for lodging applications for Examination for Degrees in Arts and Law, for Certificate of Literate in Arts, and for Diploma for Teachers.
11	S	
12	M	
13	Tu	
14	W	
15	Th	
16	F	
17	S	
18	S	
19	M	
20	Tu	Theses for M.D. given in.
21	W	
22	Th	(Penult Thursday.) Meeting of Senate. Election of Commissioner to General Assembly. Snell Examiners appointed.
23	F	{ Winter Classes in Faculty of Medicine close.
24	S	{ Names of Candidates for Degree of B.D. given in to Assistant-Clerk (Matriculation Office).
25	S	
26	M	Examinations for Degrees in Science (Astronomy, Geology).
27	Tu	Do. do. Degrees in Medicine and Science—(Zoology, Botany, Chemistry).
28	W	Do. do. (Physics, Physiology, Anatomy, Civil Engineering, Drawing, Naval Architecture, Ship Design).
29	Th	{ Do. do. (Regional Anatomy, Materia Medica, Pathology). Do. do. Degree of B.D., 1st day.
30	F	{ Do. do. do. 2nd day. Do. do. Degrees in Science (Civil Engineering). Last day for receiving Tradesmen's, Forty-five shilling, and other Accounts for preceding half-year.
31	S	Professors' Accounts of Class Expenses under Ordinance to be given in. Preliminary Examinations in Arts, Science, and Medicine begin. See p. 124. Examinations for Degrees of M.A., B.Sc. (Arts Subjects), and B.L. (Arts Subjects), etc., and Snell Exhibition begin. (See pp. 138, 151, 179.)

## APRIL 1894.

1	S	
2	M	
3	Tu	
4	W	{ Winter Classes in Faculty of Law close. Examinations in Law Subjects for Degrees in Law on this and two following days. (See p. 179.) Meeting of General Council.
5	Th	Meeting of Senate.
6	F	
7	S	
8	S	
9	M	
10	Tu	
11	W	
12	Th	(Second Thursday.) Meeting of University Court.
13	F	{ Graduation in all the Faculties. Honorary Graduation. Distribution of University Prizes.
14	S	{ Last day for returning Books to Librar Meeting of Senate.
15	S	
16	M	
17	Tu	
18	W	
19	Th	
20	F	

## APRIL 1894.

21	S	
22	S	
23	M	Summer Medical Classes open.
24	Tu	Library re-opened.
25	W	
26	Th	
27	F	
28	S	
29	S	
30	M	

## MAY 1894.

1	Tu	
2	W	
3	Th	
4	F	
5	S	
6	S	
7	M	
8	Tu	
9	W	
10	Th	{ Meeting of University Court. Payment of Tradesmen's and other Accounts. Meeting of Faculty of Medicine.
11	F	
12	S	
13	S	
14	M	
15	Tu	Names of Candidates for Final Professional Examination in Medicine to be given in to Assistant-Clerk (Matriculation Office).
16	W	
17	Th	
18	F	
19	S	
20	S	
21	M	
22	Tu	
23	W	
24	Th	
25	F	
26	S	
27	S	
28	M	
29	Tu	
30	W	
31	Th	

## JUNE 1894.

1	F	
2	S	
3	S	
4	M	
5	Tu	
6	W	
7	Th	
8	F	
9	S	
10	S	
11	M	Clinical Examinations begin.
12	Tu	
13	W	
14	Th	Meeting of University Court.
15	F	
16	S	
17	S	
18	M	
19	Tu	
20	W	Theses for M.D. given in.
21	Th	
22	F	
23	S	
24	S	
25	M	
26	Tu	
27	W	
28	Th	
29	F	
30	S	

## JULY 1894.

1	S	
2	M	
3	Tu	
4	W	
5	Th	
6	F	
7	S	
8	S	
9	M	
10	Tu	Final Professional Written Examinations for Degrees in Medicine on this and two following days. (See p. 171.)
11	W	
12	Th	Meeting of University Court.
13	F	
14	S	
15	S	
16	M	
17	Tu	
18	W	
19	Th	
20	F	
21	S	
22	S	
23	M	
24	Tu	
25	W	
26	Th	Meeting of Senate. Graduation in Medicine.
27	F	
28	S	
29	S	
30	M	
31	Tu	



## UNIVERSITY OFFICERS.

	Elected.	Electors.
<i>Chancellor</i> —THE RIGHT HON. THE EARL OF STAIR, K.T., LL.D., - - - -	1884	General Council.
<i>Vice-Chancellor</i> —JOHN CAIRD, D.D., LL.D.,	1873	Chancellor.
<i>Rector</i> —THE RIGHT HON. ARTHUR JAMES BALFOUR, M.A., LL.D., M.P., }	1890	{ Matriculated Students.
<i>Principal</i> —JOHN CAIRD, D.D., LL.D., -	1873	Crown.
<i>Dean of Faculties</i> —SHERIFF BERRY, LL.D., -	1893	Senate.
<i>Parliamentary Representative</i> —JAMES A. CAMPBELL, LL.D., - - - -	1880	General Council.

## University Court.

THE RECTOR, *ex officio*.THE PRINCIPAL, *ex officio*.THE LORD PROVOST OF GLASGOW, *ex officio*.

	Elected.	Electors.
SIR JAMES KING, BART., LL.D., - - -	1887	Chancellor.
LORD BLYTHSWOOD, LL.D., - - -	1891	Rector.
JAMES COLQUHOUN, LL.D., - - -	1890	{ Lord Provost, Magistrates, and Town Council of Glasgow.
HECTOR C. CAMERON, M.D., - - -	1889	
SIR JOHN N. CUTHBERTSON, - - -	1889	{ General Council.
REV. J. W. KING, M.A., - - -	1891	
D. C. M'VAIL, M.B., - - -	1891	
PROFESSOR STEWART, D.D., - - -	1889	{ Senate.
PROFESSOR RAMSAY, LL.D., - - -	1890	
PROFESSOR LEISHMAN, M.D., - - -	1891	
SHERIFF BERRY, LL.D., - - -	1892	

## Senatus Academicus.\*

PRESIDENT, - - - THE PRINCIPAL, - - - 1873

## PROFESSORS.

## CHAIRS.

## Appointed

William Purdie Dickson, D.D., LL.D., -	<i>Divinity</i> , -	-	1873
Lord Kelvin, LL.D., D.C.L., P.R.S., -	<i>Natural Philosophy</i> ,	-	1846
William T. Gairdner, M.D., LL.D., F.R.S.,	<i>Practice of Medicine</i> ,	-	1862
George G. Ramsay, LL.D., - - -	<i>Humanity</i> , -	-	1863
John Veitch, LL.D., - - -	<i>Logic and Rhetoric</i> , -	-	1864
Edward Caird, LL.D., D.C.L., - -	<i>Moral Philosophy</i> , -	-	1866
John Young, M.D., - - -	<i>Natural History</i> , -	-	1866
William Leishman, M.D., - - -	<i>Midwifery</i> , -	-	1868
Pierce A. Simpson, M.A., M.D., - -	<i>Forensic Medicine</i> , -	-	1872
William Stewart, D.D., - - -	<i>Biblical Criticism</i> , -	-	1873
George Buchanan, M.A., M.D., LL.D.,	<i>Clinical Surgery</i> , -	-	1874
T. McCall Anderson, M.D., - - -	<i>Clinical Medicine</i> , -	-	1874
John Ferguson, M.A., LL.D., F.S.A., -	<i>Chemistry</i> , -	-	1874
John Gray M'Kendrick, M.D., LL.D., } F.R.S., - - - - - }	<i>Institutes of Medicine</i> ,	-	1876
James Robertson, D.D., - - -	<i>Oriental Languages</i> ,	-	1877
John Cleland, M.D., LL.D., D.Sc., } F.R.S., - - - - - }	<i>Anatomy</i> , -	-	1877
William Jack, LL.D., - - -	<i>Mathematics</i> , -	-	1879
Matthew Charteris, M.D., - - -	<i>Materia Medica</i> ,	-	1880
Frederick O. Bower, D.Sc., F.R.S., -	<i>Botany</i> , -	-	1885
Robert Herbert Story, D.D., - - -	<i>Church History</i> , -	-	1886
Alexander Moody Stuart, LL.D., -	<i>Law</i> , -	-	1887
Andrew Cecil Bradley, M.A., - - -	<i>English Language and Literature</i> , }	-	1889

\* "The precedence of the Masters in point of ceremony shall, in all time coming, be, that the Professor of Divinity take place first after the Principal, and that all the other Masters and Professors of whatever kind take place of other according to the seniority and time of their admissions into their respective offices."—*Statute of Royal Visitation, 1727.*

PROFESSORS—*Continued.*

		CHAIRS.	Appointed
George G. A. Murray, B.A.,	- -	<i>Greek,</i> - -	1889
Archibald Barr, D.Sc.,	- -	- { <i>Civil Engineering</i> and <i>Mechanics,</i> }	1889
James Moir,	- - - -	- <i>Conveyancing,</i> - -	1889
John Harvard Biles,	- - - -	- { <i>Naval Architecture,</i> including <i>Marine</i> <i>Engineering,</i> }	1891
William Macewen, M.D., LL.D.,	-	- <i>Surgery,</i> - -	1892
Ludwig Becker, Ph.D.,	- -	- <i>Practical Astronomy,</i>	1893

## Lecturers.

John Young, M.D.,	- - - -	- <i>Honyman Gillespie Lecturer.</i>
Thomas Reid, M.D.,	- - - -	- <i>Waltonian Lecturer.</i>
Joseph Coats, M.D.,	- - - -	- <i>Pathology.</i>
Wm. Galbraith Miller, M.A., LL.B.,	-	- <i>Public Law.</i>
Robert T. Younger, M.A., LL.B.,	-	- { <i>Constitutional Law and</i> <i>History.</i> }
David Yellowlees, M.D., LL.D.,	-	- <i>Insanity.</i>
William Wallace, M.A.,	- - - -	- { <i>Natural Theology</i> (Gifford <i>Foundation).</i> }
William Smart, LL.D.,	- - - -	- <i>Political Economy.</i>
Alexander Tille, Ph.D.,	- - - -	- <i>German Literature.</i>

## LECTURERS, DEMONSTRATORS, OR UNIVERSITY ASSISTANTS.

<i>Humanity,</i>	- - - -	- { John Brown, M.A. Daniel Rankin, B.A.
<i>Greek,</i>	- - - -	- { Alexander Murdoch. Ronald M. Burrows, B.A.
<i>Natural Philosophy,</i>	- -	- Magnus Maclean, M.A., F.R.S.E.
Arnott and Thomson Demon- strator in <i>Experimental</i> <i>Physics,</i>	- - - -	- { James Thomson Bottomley, M.A., D.Sc., F.R.S.

<i>Mathematics</i> , - - - -	{	George A. Gibson, M.A.
	}	Daniel Lamont, M.A.
Young Assistant in <i>Civil Engineering and Mechanics</i> , -	{	Alexander B. Dobbie, B.Sc.
<i>Naval Architecture</i> , - - -		Percy S. Pilcher.
<i>Practice of Medicine</i> , - - -		John H. Carslaw, M.A., M.B., C.M.
<i>Anatomy</i> , - - - -	{	John Yule Mackay, M.D.
	}	John J. Urwin, M.B., C.M.
Baxter Demonstrator in <i>Geology</i> , -		Robert Buchanan, B.Sc.
<i>Surgery</i> , - - - -		George Ritchie Thomson, M.B., C.M.
<i>Midwifery</i> , - - - -		Murdoch Cameron, M.D.
<i>Chemistry</i> , - - - -	{	James Stanley Muir, B.Sc.
	}	William R. Lang, B.Sc.
<i>Botany</i> , - - - -		Benjamin G. Cormack, M.A., B.Sc.
<i>Materia Medica</i> , - - -		William MacLennan, M.B., C.M.
Muirhead Demonstrator of <i>Physiology</i> , - - -	{	William Snodgrass, M.A., M.B., C.M.
<i>Forensic Medicine</i> , - - -		Donald Munro, M.D.
<i>Clinical Surgery</i> , - - -		J. C. Renton, M.D.
<i>Clinical Medicine</i> (Dr. Anderson), - - -	{	William G. Dun, M.D.
	}	James Hinshelwood, M.A., M.D.
<i>Clinical Medicine</i> (Dr. Gairdner), - - -	{	Charles O. Hawthorne, M.B., C.M.
	}	John H. Carslaw, M.A., M.B., C.M.

The Teaching Staff in the Women's Department had not been appointed when the *Calendar* was sent to Press.

#### EXAMINERS FOR DEGREES.

*In Divinity*.—The Professors in the Faculty of Theology.

*In Law*.—The Professors in the Faculty of Law, assisted by  
 William Galbraith Miller, LL.B., Advocate.  
 Robert T. Younger, LL.B., Advocate.  
 W. Craig Robertson, LL.B.



*In Medicine.*—The Professors and Lecturers in the Faculty of Medicine, Lecturers as specified in Section XXIV. of Ordinance No. 14, and the following additional Examiners :—

Alex. M. Buchanan, M.D.	William J. Naismith, M.D.
Ralph Stockman, M.D.	John H. Fullarton, D.Sc.
Ebenezer Duncan, M.D.	D. Noel Paton, M.D.
A. E. Maylard, M.B.	R. F. C. Leith, M.B.
C. M. Aikman, M.A., B.Sc.	John Barlow, M.D.
J. R. Green, M.A., F.L.S.	John Duff, M.D.
John Phillips, M.D.	Andrew Gray, M.A.

*In Arts.*—The Professors of Humanity, Greek, Logic, Moral Philosophy, Natural Philosophy, Mathematics, and English Literature, assisted by

John H. Muirhead, M.A., Examiner in Mental Philosophy,	1891*
Andrew Gray, M.A., „ Mathematics,	- 1892
Wallace M. Lindsay, M.A., „ Classics,	- - 1893

*In Science.*—Professor Lord Kelvin, D.C.L., Professor Young, M.D., Professor Ferguson, LL.D., Professor M'Kendrick, M.D., Professor Cleland, M.D., Professor Jack, LL.D., Professor Bower, D.Sc., Professor Barr, D.Sc., Professor Biles, Professor Becker, Ph.D.

*Preliminary Examiners in Arts, Science, and Medicine.*—†Professor Ramsay, LL.D., Professor Jack, LL.D., Professor Bradley, M.A., J. W. Marshall, M.A., R. H. Pinkerton, M.A., †G. R. Merry, LL.D., †A. M. Bell, H. S. Beresford Webb, Arthur Cardew.

#### OTHER OFFICIALS.

<i>Keeper of Hunterian Library and Museum,</i>	- - -	} Professor Young, M.D.
<i>Under-Keeper,</i>	- - -	
<i>Curator of Library,</i>	- - -	John Young, LL.D., F.G.S.
		Professor Dickson, D.D., LL.D.

\* Mr. Muirhead's term of office expires in the end of December, 1894.

† Members of the Joint Board.

<i>Librarian,</i>	-	-	-	James Lymburn.
<i>Sub-Librarian,</i>	-	-	-	James L. Galbraith.
<i>Secretary to the University Court,</i>	-	-	-	Alan E. Clapperton, B.L., 91 West Regent Street.
<i>Clerk of Senate,</i>	-	-	-	Professor Stewart, D.D., 18 Annfield Terrace, Partickhill.
<i>Assistant-Clerks,</i>	-	-	-	W. Innes Addison, Matriculation Office.
				James Coutts, M.A., Registration Office.
<i>Registrar of the General Council,</i>	-	-	-	James Coutts, M.A.
<i>Clerk of the General Council,</i>	-	-	-	Archibald Craig, LL.B., 156 St. Vincent Street.
<i>Factors,</i>	-	-	-	Hill & Hoggan, 194 Ingram Street.
<i>Law-Agents,</i>	-	-	-	Mitchells, Johnston, & Co., 160 West George Street.
<i>Auditors,</i>	-	-	-	Brown, Fleming, & Murray, 163 West George Street.
<i>Publishers and Booksellers to the University,</i>	-	-	-	James MacLehose & Sons, 61 St. Vincent Street.
<i>Printer to the University,</i>	-	-	-	Robert MacLehose, 153 West Nile Street.
<i>Robe Makers to the University,</i>	-	-	-	James Thomson & Son, 84 St. Vincent Street.
<i>Head Servants,</i>	-	-	-	Bedellus and Janitor, - } Lauchlan M'Pherson. Master of Works, - David Stewart.

### Students' Representative Council.

*President*—R. S. Horne.

*Vice-Presidents*—James Aiken, M.A. ; D. F. Harris, B.Sc.

*Secretary*—James W. Cleland, Bonville, Maryhill.

*Assistant Secretaries*—Peter Macnab (Divinity) ; James Ferguson (Arts) ; Walter Nelson (Law) ; and John Brownlee, M.A. (Medicine).

*Treasurer*—John G. Spens, M.A., 3 Westbourne Gardens.

*Executive Committee.* *Divinity*—D. C. Kerr ; *Law*—J. C. Findlay, M.A. ; *Medicine*—Joshua Ferguson, M.A., Alfred Charlton ; *Arts*—A. Wylie Blue, Angus King, James Hamilton.

## I.—THE UNIVERSITY.

The University of Glasgow is a corporate body, which has always included a Chancellor, Rector, Dean of Faculties, Principal, Professors, and Students. It was originally founded, like most other ancient establishments of the same nature, by the authority of the See of Rome. Pope Nicholas V., by a bull, dated the seventh of January, 1450-1, erects and establishes in Glasgow a "*Studium Generale . . . tam in theologia ac jure canonico et civili, quam in artibus, et quavis alia licita facultate.*" He then declares that this University shall have the same power of creating Masters and Doctors as any other "*studium generale*" in Christendom, and appoints the Bishop of Glasgow and his successors, Chancellors and Rectors by his authority. In the same year a body of statutes was prepared, and the University established by the exertions of the Bishop and his Chapter. It consisted, at this time, of the Chancellor and Rector, of various Masters and Doctors in the Faculties of Theology, Canon Law, and the Arts; and, lastly, of the incorporated students in these Faculties, who might be promoted to the same degrees in each, after following out the course of study prescribed in the statutes.

The University, at this time, had received no endowments, and was possessed of no property, except a University purse, into which were put some small perquisites on conferring degrees, and the patronage of two or three small chaplainries. It continued, however, to discharge its important functions with great zeal and activity, and attracted a greater number of members than could well have been expected in that rude period of society. The University Records contain little information as to lectures delivered in the Higher Faculties, or the number of the students who attended them. But we learn that within three or four years after the establishment of the University, so many young men were matriculated in the Faculty of Arts, that it was thought expedient to provide a house in which they

might reside, and to secure a regular set of teachers for their instruction.

The house provided for the accommodation of the students in Arts was known by the name of Pædagogium, or the College of Arts. It is said to have been situated in the Rottenrow ; but in the year 1460, James, Lord Hamilton, bequeathed to Mr. Duncan Bunch, principal Regent of the College of Arts, and his successors, Regents, for the use of the said College, a tenement in the High Street, with four acres of land adjoining. In buildings situated on this ground the classes of the University continued to meet for upwards of four hundred years.

The Reformation produced at first great disorder in the University, its members being clergymen of the Catholic persuasion, and its chief support being derived from the Church. In 1577, James VI. prescribed very particular rules with regard to the College and the form of its government, and made a considerable addition to its funds. The charter by which the king made these regulations, and gave that property, is known by the name of *Nova Erectio*.

By this charter, provision was made for the support of a Principal, who was to teach Theology and the Holy Scriptures, and was also Professor of Hebrew and Syriac, and three Regents, of whom one was to teach Greek and Rhetoric, another Dialectics, Morals, and Politics, with the Elements of Arithmetic and Geometry, and the third, who was also Sub-Principal, was to teach all the branches of Physiology and Geography, Chronology and Astrology. The Regents were to keep each by his own Profession, so that the student had a new Regent every year.\*

From this small beginning, the University continued to prosper till the era of the Restoration, having at that time, besides the Principal, two Professors of Theology, one of Medicine, four Regents or Professors of Philosophy, and one of Humanity, a Librarian, with a tolerable Library, an increased number of Bursars and of other students of all ranks. At the Restoration, however, being deprived of a great part of its revenues in consequence of the re-establishment of Episcopacy, three of the Professorships fell into abeyance, and the College was again reduced to a Principal,

\* This system was altered in 1642, in accordance with the practice of the other Universities ; but returned to after the Revolution. The four classes necessary to Graduation in Arts were called—the first, Bajan ; the second, Semi ; the third, Baccalour ; the fourth, Magistrand.

a Professor of Theology, and four Regents. This state of matters continued till the Revolution, when the University again began to prosper after a long period of depression.\* In the first twenty years of last century, six Professorships were either originally founded or revived—viz., those of Humanity (1706), Oriental Languages (1709), Civil Law (1712), Medicine (1712), Church History (1716), and Anatomy (1718); and to these a Professorship of Astronomy was added in 1760. The remaining fifteen Professorships were founded during the present century—viz., Natural History (1807), Surgery (1815), Midwifery (1815), Chemistry (1817), Botany (1818), Materia Medica (1831), Institutes of Medicine (1839), Forensic Medicine (1839), Civil Engineering (1840), Conveyancing (1861), English Language and Literature (1861), Divinity and Biblical Criticism (1861), Clinical Surgery (1874), Clinical Medicine (1874), Naval Architecture (1883).

#### UNIVERSITY BUILDINGS.

The changes in the City of Glasgow having so entirely altered the character of the district in which the University Buildings were planted four hundred years ago, as to render the locality altogether unsuitable for an Academic Institution; and the buildings themselves having become, by their limited extent and defective construction, inadequate for the modern requirements of a great educational establishment; measures were adopted for the removal of the University to more extended and commodious buildings, and for this purpose a large extent of ground was secured in the lands of Gilmorehill, in the western part of the City.

In 1846, a Bill for the sale of the College grounds and buildings to the Monklands Junction Railway Company, and the transference of the University to a new site on Woodlands, was passed by both Houses of Parliament, and received the Royal assent. But that measure failed by the inability of the Railway Company to implement their engagements; and the Senate of the University found no favourable opportunity for the renewal of the scheme, till the year 1863, when a proposal for the purchase of the College lands and buildings was made by the City of Glasgow Union Railway Company, and a sale was accordingly effected to that Company, under their Act of Parliament, in 1864, at the price of £100,000.

\* See Dr. Thomas Reid's Account of the University of Glasgow.



The funds at the disposal of the University to carry out the scheme of removal consisted of—(1.) The produce of the sale of the old College and grounds, £100,000,—(2.) A sum of £17,500, consisting of the principal sum of £10,000, obtained by the University as compensation from the Monklands Junction Company, for non-fulfilment of their agreement, with interest since the time of payment, and—(3.) A sum of £21,400, promised by Her Majesty's Government in aid of the scheme of removal, conditionally on a further sum of £24,000 being raised by public subscription, for the erection of a sick hospital in connection with the new University Buildings.

With these funds at their disposal, buildings might have been erected sufficient for the transaction of the ordinary business of instruction in the same manner as heretofore, and for the accommodation of the Library and Museum, but they must have been of the plainest design, and on a scale quite inadequate to provide for the future extension of the University.

In these circumstances, the Senate resolved to make an earnest appeal for aid to the Government and to the public. This appeal was responded to in the most generous and gratifying manner. In a short time a sum of nearly £100,000 was subscribed, chiefly in the City of Glasgow; and the Government, appreciating the importance of the work, and the public interest it had excited, announced their intention to ask Parliament for the sum of £120,000, in six annual instalments, on condition of a like amount being raised by subscription and expended on the buildings. This sum was paid out of the National Treasury, and there has been received from the public subscription for the University Buildings and the Western Infirmary and from legacies the large amount of £256,429, including £45,000 from the Marquis of Bute for the erection of the Bute Hall, £5,000 from Dr. J. M'Intyre for the University Union Buildings, £4,274 from the late Sir William Pearce, Bart., for the removal of the old College front and the re-erection of the materials at the north-east gateway, £5,000 bequeathed by Mr. Andrew Cunningham, and £1,000 (less legacy duty) bequeathed by Mr. James Marshall for the completion of the tower, and special subscriptions amounting to £2,600 for building and furnishing the Gymnasium. A sum of £30,000 was allocated to the Western Infirmary. New buildings, designed by the late Sir G. Gilbert Scott, were erected on the grounds of Gilmorehill; and in these buildings

the classes of the University met for the first time in session 1870-71.

## GOVERNMENT OF THE UNIVERSITY.

Previous to the Universities Act of 1858, the whole business of the University was transacted in three distinct courts—namely, the Senate, the Faculty, and the Comitia.

The *Senate* consisted of the Rector, the Dean, the Principal, and all the Professors of the University. Meetings of the Senate were held for conferring degrees, and for the management of the libraries and other matters belonging to the University.

The *Faculty*, or College Meeting, consisted of the Principal, who presided, and the Professors of Divinity, Church History, Oriental Languages, Natural Philosophy, Moral Philosophy, Mathematics, Logic, Greek, Humanity, Civil Law, Medicine, Anatomy, and Practical Astronomy. The Members of Faculty had the administration of the whole revenue and property of the College, along with the right of exercising the patronage of eight professorships vested in the College. They also presented a Minister to the Parish of Govan, and had the gift of various bursaries.

The Constituent Members of the *Comitia* were the Rector, the Dean, the Principal, the Professors, and the Matriculated Students of the University. The Rector or Vice-Rector presided in this court, and also in the Senate. Meetings of the *Comitia* were held for the election and admission of the Rector, for hearing the inaugural discourses of the Principals and Professors previously to their admission to their respective offices, and for promulgating the laws of the University.

Besides these a court, called the *Jurisdictio Ordinaria*, consisting of the Principal, the four Regents (viz., the Professors of Greek, Logic, Ethics, and Physics), and the Professor of Humanity, with the gowned students, met occasionally, for the exercise of discipline over the junior students.

By the Scottish Universities Act, 21 and 22 Vict., chap. 83, important changes were made in the constitution and government of the University. The distinction between the Faculty and the Senate was abolished; two new bodies, called the University Court, and University Council, were instituted; and Commissioners were appointed, armed with extensive powers of revision and regulation, who issued ordinances, sanctioned by Her Majesty, for the administration of the affairs of the University.

Further changes were made by the Universities (Scotland) Act, 1889. A Committee of Her Majesty's Privy Council was constituted, styled the Scottish Universities Committee of the Privy Council. An Executive Commission was created and is now sitting, with power to repeal or modify any ordinance made under the Act of 1858. The Commissioners have issued ordinances, *inter alia*, for Degrees in Arts, Science, and Medicine, and for the graduation and instruction of Women. They are also empowered to lay down regulations for the constitution of a Students' Representative Council, and to frame regulations under which that Council shall be entitled to make representations to the University Court.

#### CHANCELLOR.

The Chancellor is the head of the University, and, by himself or his deputy, has the privilege of conferring Academical Degrees upon persons found qualified by the Senate. All changes in the internal arrangements of the University must have the sanction of the Chancellor before being carried into effect. He is elected by the General Council, of which he is president. His office is held during life. He nominates an Assessor in the University Court, and he is empowered to appoint a Vice-Chancellor to discharge his office in his absence, so far as regards conferring Degrees, but in no other respect. The office of Vice-Chancellor has usually been, and is now, held by the Principal.

#### *Chancellors from the year 1642.*

- |       |   |
|-------|---|
| 1642. | James Hamilton, Marquis of Hamilton.                    |
| 1660. | William Cunningham, Earl of Glencairn.                  |
| 1661. | Andrew Fairfowl, Archbishop of Glasgow.                 |
| 1664. | Alexander Burnett,       "       "                      |
| 1670. | Robert Leighton,       "       "                        |
| 1674. | Alexander Burnett,       "       "                      |
| 1679. | Arthur Ross,       "       "                            |
| 1684. | Alexander Cairncross,       "       "                   |
| 1687. | John Paterson,       "       "                          |
| 1692. | John Carmichael, Earl of Hyndford.                      |
| 1715. | James Graham, Duke of Montrose.                         |
| 1743. | William Graham,       "       "                         |
| 1781. | James Graham,       "       "                           |
| 1837. | James Graham,       "       "                           |
| 1875. | Sir William Stirling-Maxwell, Bart., M.P.               |
| 1878. | Walter Francis, Duke of Buccleuch and Queensberry, K.G. |
| 1884. | JOHN HAMILTON DALRYMPLE, EARL OF STAIR, K.T.            |

# RECTOR.

The Rector is elected by the matriculated students of the University, divided into four nations.<sup>1</sup> In the case of an equality of nations the Chancellor had, in accordance with the Act of 1858, the casting vote, but under the Act of 1889 the Commissioners have ordained that the election shall be determined by the majority of votes of all the students voting whenever the votes of the nations shall be equally divided. The election takes place upon the 15th November (the 16th, if the 15th falls on a Sunday); the term of office is three years. The Rector is the official President of the University Court.

## *Rectors from 1773.*

- 1773. Charles Cathcart, Lord Cathcart.
- 1775. Lord Chief Baron Montgomerie.
- 1777. Andrew Stewart, Esq. of Torrance.
- 1779. James Maitland, seventh Earl of Lauderdale.
- 1781. Right Hon. Henry Dundas.
- 1783. Right Hon. Edmund Burke.
- 1785. Robert Graham, Esq. of Gartmore.
- 1787. Adam Smith, LL.D.
- 1789. Walter Campbell, Esq. of Shawfield.
- 1791. Thomas Kennedy, Esq. of Dunure.
- 1793. William Mure, Esq. of Caldwell.
- 1795. William M'Dowall, Esq. of Garthland.
- 1797. George Oswald, Esq. of Auchincruive.
- 1799. Right Hon. Sir Ilay Campbell, Lord President.
- 1801. William Craig, a Lord of Session.
- 1803. Lord Chief Baron Dundas.
- 1805. Henry Glassford, Esq. of Dugalston.
- 1807. Archibald Colquhoun, Esq. of Killermont.
- 1809. Archibald Campbell, Esq. of Blythswood.
- 1811. Lord Archibald Hamilton.
- 1813. Thomas Graham, Lord Lynedoch.
- 1815. David Boyle, Lord Justice Clerk.
- 1817. George Boyle, Earl of Glasgow.

<sup>1</sup> The nations are constituted as follows:—

1. The Natio Glottiana consists of all matriculated students born within the County of Lanark.

2. The Natio Transforthana consists of all matriculated students born within any of the Counties of Orkney and Shetland, Caithness, Sutherland, Ross, Inverness, Cromarty, Nairn, Moray, Banff, Aberdeen, Perth, Forfar, Kincardine, Clackmannan, Fife, Kinross, Argyle, Stirling, and Dumbarton.

3. The Natio Rothseiana consists of all matriculated students born within any of the Counties of Bute, Renfrew, and Ayr.

4. The Natio Loudoniana consists of all matriculated students not included in any of the other nations.

- 1819. Kirkman Finlay, Esq., M.P.
- 1820. Francis Jeffrey, Esq., Advocate.
- 1822. Sir James Mackintosh, M.P.
- 1824. Henry Brougham, Esq., M.P.
- 1826. Thomas Campbell, LL.D.
- 1829. Henry Petty, Marquis of Lansdowne.
- 1831. Henry Cockburn, Esq., Solicitor-General.
- 1834. Lord Stanley, M.P.
- 1836. Sir Robert Peel, Bart., M.P.
- 1838. Sir J. G. R. Graham, Bart., M.P.
- 1840. John Campbell, Marquis of Breadalbane.
- 1842. Right Hon. Fox Maule, M.P.
- 1844. Andrew Rutherford, Esq.
- 1846. Lord John Russell.
- 1847. Colonel Mure of Caldwell.
- 1848. Thomas Babington Macaulay, Esq.
- 1850. Archibald Alison, Esq., Sheriff of Lanarkshire.
- 1852. Earl of Eglinton.
- 1854. Duke of Argyle.
- 1856. Sir Edward Bulwer Lytton.
- 1859. Earl of Elgin.
- 1862. Viscount Palmerston.
- 1865. John Inglis, Lord Justice Clerk.
- 1868. Lord Stanley (afterwards Earl of Derby).
- 1871. Right Hon. Benjamin Disraeli, M.P. (Earl of Beaconsfield).
- 1877. Right Hon. William Ewart Gladstone, M.P.
- 1880. Right Hon. John Bright, M.P.
- 1883. Right Hon. Henry Fawcett, M.P.
- 1884. Edmund Law Lushington, LL.D., D.C.L.
- 1887. Right Hon. Earl of Lytton, G.C.B., G.C.S.I., C.I.E.
- 1890. RIGHT HON. ARTHUR JAMES BALFOUR, M.P.

---

#### DEAN OF FACULTIES.

From the beginning there has been in the University an officer of dignity with the title of Dean of Faculty or Dean of Faculties. The duties of the office, as originally constituted, were to exercise a superintendence over the studies, and, in conjunction with the Masters, to judge of the qualifications of applicants for degrees. From the year 1772 it was the duty of the Dean, in concert with the Rector and the Minister of Glasgow, to examine the accounts of the administration of the Revenue, and to give advice to the Principal and Professors, when it was necessary for them to institute a judicial inquiry



into the conduct of any of their number. By the Universities Act of 1858 the Dean of Faculties was a member of the University Court, but in the enumeration of the constituent members of the new University Court in the Act of 1889 the name does not occur. The election is made annually by the Senate at the close of the winter session.

*Deans from the year 1800.*

- |  |  |
|--|--|
| 1800. James Couper, D.D.                 | 1841. Lord Dunfermline.                    |
| 1802. Archd. Campbell, Esq., of Succoth. | 1843. Sir T. Makdougall Brisbane, Bart.    |
| 1804. Gavin Gibb, D.D.                   | 1845. A. Maconochie, Lord Meadowbank.      |
| 1806. Duncan Macfarlan, D.D.             | 1847. Earl of Eglinton.                    |
| 1808. Gavin Gibb, D.D.                   | 1849. Colonel Mure of Caldwell, M.P.       |
| 1810. Duncan Macfarlan, D.D.             | 1851. W. Lockhart, Esq., M.P.              |
| 1812. Gavin Gibb, D.D.                   | 1853. Colonel Mure.                        |
| 1814. Stevenson Macgill, D.D.            | 1854. W. Lockhart, Esq.                    |
| 1815. Archibald Campbell, Esq., M.P.     | 1857. W. Stirling, Esq., of Keir, M.P.     |
| 1817. Sir John Connel.                   | 1860. J. Moncreiff, Lord Advocate.         |
| 1819. Archibald Campbell, Esq., M.P.     | 1863. Sir A. I. Campbell of Succoth.       |
| 1821. Sir John Connel.                   | 1865. Henry Glassford Bell, Esq.           |
| 1823. Archibald Campbell, Esq., M.P.     | 1868. Sir James Fergusson, Bart.           |
| 1825. Sir John Connel.                   | 1869. Sir Thos. E. Colebrooke, Bart., M.P. |
| 1827. Archibald Campbell, Esq., M.P.     | 1872. Archd. Orr Ewing, Esq., M.P.         |
| 1829. Sir John Connel.                   | 1876. Alexander B. McGrigor, LL.D.         |
| 1831. Archibald Campbell, Esq.           | 1879. James King, Esq.                     |
| 1833. Sir A. Campbell, Bart.             | 1882. R. W. Cochran-Patrick, LL.D., M.P.   |
| 1835. Archibald Campbell, Esq.           | 1885. Alexander Crum, Esq., M.P.           |
| 1837. Sir A. Campbell, Bart.             | 1888. ROBERT BERRY, LL.D., Sheriff of      |
| 1839. Kirkman Finlay, Esq.               | Lanarkshire.                               |

PRINCIPAL.

The office of Principal or Principal Regent of the College was almost coeval with the foundation of the University, and was regulated anew by James VI., in 1577. It is in the appointment of the Crown. The Principal is President of the *Senatus Academicus*; and is also, *ex officio*, a member of the University Court.

*Principals from the year 1574.*

- |                            |                             |
|----------------------------|-----------------------------|
| 1574. Andrew Melville.     | 1684. James Fall.           |
| 1580. Thomas Smeaton.      | 1690. William Dunlop.       |
| 1582. Patrick Sharpe.      | 1701. John Stirling.        |
| 1615. Robert Boyd.         | 1728. Neil Campbell.        |
| 1622. John Cameron, D.D.   | 1761. Wm. Leechman, D.D.    |
| 1626. John Strang, D.D.    | 1786. Archd. Davidson, D.D. |
| 1650. Robert Ramsay.       | 1803. William Taylor, D.D.  |
| 1653. Patrick Gillespie.   | 1823. Duncan McFarlan, D.D. |
| 1661. Robert Baillie, D.D. | 1858. Thomas Barclay, D.D.  |
| 1662. Edward Wright.       | 1873. JOHN CAIRD, D.D.      |

## UNIVERSITY COURT.

The University Court consists of (a) the Rector, (b) the Principal, (c) the Lord Provost of Glasgow for the time being, (d) an Assessor nominated by the Chancellor, (e) an Assessor nominated by the Rector, (f) an Assessor nominated by the Lord Provost, Magistrates, and Town Council of Glasgow, (g) four Assessors elected by the General Council, (h) four Assessors elected by the Senatus Academicus.<sup>1</sup> There is a further provision in the Act of 1889 for the representation of affiliated Colleges.

The Rector's Assessor continues in office three years, and the other Assessors four years.

The University Court is a body corporate, in which is vested all the property belonging to the University. By the Act of 1889 it is enacted that the University Court, in addition to the powers conferred upon it by the Act of 1858, shall, subject to any ordinances made by the Commissioners have power—

1. To administer the whole revenue and property of the University, including share of annual Government Grant, and bursary and other mortifications.

2. To review any decision of the Senate, appealed against by a member of Senate or other member of the University interested, and to receive representations and reports from the Senate and the General Council.

3. To review, on representation by any member of the

<sup>1</sup> *Assessors since the University Court was constituted.*

## CHANCELLOR.

- 1859. John Robertson, D.D., Glasgow.
- 1865. A. Sym, D.D., New Kilpatrick.
- 1871. James Pearson, D.D., Strathblane.
- 1874. Robert Jamieson, D.D., Glasgow.
- 1878. J. A. Campbell, LL.D., Stracathro.
- 1887. SIR JAMES KING, BART., LL.D.

## RECTOR.

- 1860. Thomas Buchanan, Esq.
- 1863. Walter Buchanan, Esq., M.P.
- 1866. Archibald Orr Ewing, Esq.
- 1869. James A. Campbell, LL.D.
- 1878. Alexander Crum, Esq.
- 1880. Charles Cameron, M.D., LL.D., M.P.
- 1884. A. B. McGrigor, LL.D.
- 1887. James Grahame, Esq.
- 1890. LORD BLYTHSWOOD, LL.D.

## LORD PROVOST, MAGISTRATES, AND TOWN COUNCIL OF GLASGOW.

- 1889. JAMES COLQUHOUN, LL.D.

## GENERAL COUNCIL.

- 1859. Andrew Bannantyne, LL.D.

- 1864. Lord Kinloch.

- 1867. Anderson Kirkwood, LL.D.
- 1887. R. W. Cochran-Patrick, LL.D.
- 1889. David Hannay, Esq.
- 1889. HECTOR C. CAMERON, M.D.
- 1889. SIR JOHN NEILSON CUTHBERTSON.
- 1891. REV. J. W. KING, M.A.
- 1891. D. C. McVAIL, M.B.

## SENATUS ACADEMICUS.

- 15th Nov., 1859. Prof. W. Ramsay, M.A.
- 11th Dec., 1863. Prof. R. Buchanan, LL.D.
- 12th Dec., 1867. Prof. Allen Thomson, M.D.
- 11th Jan., 1872. Prof. Sir W. Thomson.
- 13th Jan., 1876. Prof. Cowan, M.D.
- 29th Jan., 1880. Prof. Berry, M.A., LL.D.
- 31st Jan., 1884. Prof. Dickson, D.D., LL.D.
- 9th Feb., 1888. Prof. Ramsay, LL.D.
- 28th Nov., 1889. Prof. Leishman, M.D.
- 28th Nov., 1889. Sheriff Berry, LL.D.
- 28th Nov., 1889. PROF. STEWART, D.D.
- 28th Nov., 1890. PROF. RAMSAY, LL.D.
- 30th Nov., 1891. PROF. LEISHMAN, M.D.
- 28th Nov., 1892. SHERIFF BERRY, LL.D.

University Court or by any member of Senate, any decision of the Senate in the exercise of its powers of regulating and superintending the teaching and discipline of the University ; but decisions in matters of discipline can be reviewed only on appeal by a member of Senate or by a member of the University directly affected.

4. To appoint professors to chairs in University patronage ; to appoint examiners and lecturers ; and to recognize for graduation purposes the teaching of any college or individual teacher, under any regulations laid down by the Commissioners, which regulations, after the expiration of the powers of the Commissioners, may from time to time be modified or altered by the Universities Committee.

5. To define on application by any member of the Senate the nature and limits of a professor's duties under his commission, subject to appeal to the Universities Committee.

6. To take proceedings against a principal, professor, lecturer, assistant, examiner, or other University teacher.

7. To appoint from persons not being members of Senate one third of the members of any standing committee or committees charged, by ordinance of the Commissioners, with superintendence of University libraries or museums, and to review any decision of the Senate regarding the recommendations of such committee or committees.

8. To appoint committees of its own number, consisting of not less than five members, to report on any business entrusted to them or to carry out special instructions.

9. To elect the representative of the University on the General Medical Council, under the Medical Act, 1886.

10. After the expiration of the powers of the Commission to found new professorships with the approval of the Universities Committee. After such expiration no new professorship shall be founded otherwise.

The Court is intrusted with the patronage of several of the Professorships, appoints the Assistant Examiners for Degrees, and is a court of final appeal in any dispute which may arise in making up the Register of the General Council. Seven Members of the Court constitute a quorum. The Rector is President—in his absence, the Principal.

An abstract of the minutes of the meeting of the University Court during 1892-93 will be found towards the end of the Calendar.

### SENATUS ACADEMICUS.

The Senatus Academicus consists of the Principal and the whole of the Professors, and is entrusted with the ordinary superintendence and regulation of the teaching and discipline of the University. It appoints two-thirds of the members of any standing committee or committees charged by ordinance of the Commissioners with the immediate superintendence of University libraries or museums. It receives in the first instance all reports by such committee or committees, and, subject to the review of the University Court, it may confirm, modify, or reject the recommendations in such reports. The Principal, as President, has a deliberative and a casting vote. One-third of the Senate constitute a quorum.

---

### LECTURERS.

By ordinance No. 17 of the Universities Commissioners (1889), the University Court is empowered to appoint, after consultation with the Senatus, Lecturers, whose teaching shall (unless otherwise determined by the University Court) qualify for graduation. They are appointed for a period not exceeding five years, but may be re-appointed. University Assistants or Demonstrators are eligible for appointment as Lecturers and *cice versa*; and both offices may be held at the same time by the same person.

---

### UNIVERSITY ASSISTANTS OR DEMONSTRATORS.

By ordinance No. 22 of the Universities Commissioners, of date 25th November, 1861, it was provided that an Assistant should be attached to each of the Professorships of Humanity, Greek, Mathematics, and Natural Philosophy, and two (a Teaching Assistant and a Laboratory Assistant) to the Professorship of Chemistry, each of whom should receive a salary of £100, to be annually voted by Parliament. By the same ordinance provision was made for the appointment of an Assistant to the Professor of Anatomy, who should receive a salary from the General University Fund, and of a Joint Assistant to the Professors of Materia Medica and Forensic Medicine, who should receive a salary of £50 by annual Parliamentary vote, instead of whom (by an alteration of the ordinance sanctioned by the Queen in Council) two assistants were afterwards

appointed, one to the Professor of Materia Medica and the other to the Professor of Forensic Medicine, each of whom received a salary of £25. These Assistants were all appointed by the Professors, subject to the approval and control of the University Court.

By ordinance No. 17 of the Universities Commissioners (1889), the University Court is empowered to determine, after consultation with the Senatus, the number and grade of the Assistants, if any, to be assigned to each Professor. The appointments are made by the University Court on the recommendation of the Professors. The Assistants are recognized as Officers of the University, and are styled University Assistants or Demonstrators, as the University Court may determine.

The Arnott and Thomson Demonstratorship, founded in 1875, is attached to the Chair of Natural Philosophy; the Muirhead Demonstratorship, founded in 1877, to the Chair of Institutes of Medicine; and the Baxter Demonstratorship in Geology, founded in 1889, to the Chair of Natural History.

There is also an Assistantship to the Professor of Engineering, which was founded in 1876 by the bequest of Mrs. Black, widow of the Rev. Dr. Black, Barony Church, Glasgow, with a salary of £140 or thereby, and designated in memory of her father, the Young Assistantship. The appointment is made by the University Court in conjunction with the Professor of Engineering.

#### EXAMINERS FOR DEGREES.

By ordinance No. 13, §§ xiv., xv., xvi., of the Universities Commissioners (1889), the Examiners for graduation in Arts, Science, and Medicine respectively are the Professors whose subjects qualify for graduation, together with such Lecturers in the University and such additional Examiners, appointed by the University Court, as the Court may deem necessary. In the case of Medicine, the Court is required to make such provisions as will ensure that every candidate shall be examined in each subject by at least two Examiners, one of whom shall not be a Professor or Lecturer in the University.

By ordinance No. 75, § vi., of the Universities Commissioners (1858), three additional Examiners are appointed for the examination of candidates for the Degrees of B.L. and LL.B.



## GENERAL COUNCIL.

[For names, etc., of Members, see Appendix.]

The General Council as constituted by the Scottish Universities Act, 1858 (21 and 22 Vict., chap. 83), by the Representation of the People (Scotland) Act, 1868 (31 and 32 Vict., chap. 84), and by the Universities Elections Amendment (Scotland) Act, 1881 (44 and 45 Vict., chap. 40), consists of the following *ex officio* Members, viz., the Chancellor, the Members of the University Court from and after their first election, and the Professors, and also of the following persons after registration, viz., all Masters of Arts of the University, and all persons on whom the University has, after Examination, conferred the Degree of Doctor of Medicine, or Doctor of Science, or Bachelor of Divinity, or Bachelor of Laws, or Bachelor of Medicine, or Bachelor of Science, or any other Degree instituted since 13th July, 1868; and also all persons who, previous to the 2nd August, 1861, had, as matriculated students, given regular attendance on the course of study in this University for four complete sessions, or such regular attendance for three complete sessions in this University, and regular attendance for one such complete session in any other Scottish University, the attendance for at least two of such sessions having been on the course of study in the Faculty of Arts.

Members of the Council must have their names enrolled in a book kept for the purpose by the Registrar. The Register of the Council is made up annually in the month of December, for the year following, and includes the names of all members entered on the Registration Book on or before the 30th day of November in each year. The Registration Fee, which is a payment for life, is 20s.

By section 16 of the Act 44 and 45 Vict., chap. 40, it is enacted that no person shall be allowed, after examination, to graduate at any of the Universities of Scotland until he shall have paid the Registration Fee; and it is further enacted that every person who has hitherto been, or who shall in the future become, *ex officio*, a member of the General Council of any of the Universities shall, on payment of the Registration Fee, be put and continued on the Register of Members of General Council of such University during his life, and shall be entitled to all the privileges of a Member of Council. The Act also provides that no person, subject to any legal incapacity, shall be entitled

to vote at any parliamentary election, or exercise any other privilege as a member of the General Council.

The corrupt payment of any Registration Fee is punishable as bribery.

The Council meets twice every year—viz., on the last Wednesday of October, and the first Wednesday of April. In addition to these statutory meetings the Council may hold special meetings at the instance of the Chancellor, who shall convene such meetings on a requisition from a quorum of members, and the Council may adjourn any meeting, and may appoint committees to investigate into and report upon any matter remitted to them, or to carry out instructions given to them by the Council. The quorum of the General Council has been fixed by the Universities Commissioners at ten for every complete thousand or fraction of a thousand on the Register, so that for the present year fifty members are requisite to constitute a quorum, there being 4990 names on the Register, but this provision does not apply to the statutory half-yearly meetings. It is competent to the Council to take into consideration all questions affecting the well-being and prosperity of the University, and to make representations from time to time to the University Court, who shall return to the Council their deliverances thereon. The annual reports as to the statistics of attendance and as to the finances of the University, made by the University Court to the Secretary for Scotland, are to be laid by him before the General Council. To it are also to be communicated all new ordinances, or changes of existing ordinances, which may be proposed by the University Court.

The Chancellor and four of the Assessors in the University Court are elected by the Council. The manner in which these officers are elected is regulated by Ordinance of the Universities Commissioners. The President of the Council is the Chancellor; whom failing, the Rector; whom failing, the Principal; whom failing, the Chancellor's Assessor; whom failing, the Rector's Assessor. In the absence of all these officials, a Chairman shall be elected by the meeting; but in the election of Assessors the members of Senate may not take part.

The General Councils of the Universities of Glasgow and Aberdeen jointly return a representative to Parliament.

*Members of Parliament for the Universities of Glasgow  
and Aberdeen.*

1868. Right Hon. James Moncrieff, LL.D., Lord Advocate.  
 1869. Right Hon. Edward S. Gordon, LL.D., Dean of the Faculty  
 of Advocates.  
 1876. Right Hon. William Watson, LL.D., Lord Advocate.  
 1880. JAMES ALEXANDER CAMPBELL, LL.D.

## STUDENTS' REPRESENTATIVE COUNCIL.

The Students' Representative Council consists of representatives from the different years of all the different Faculties in the University, and its aims are (1) to represent the Students in matters affecting their interests; (2) to afford a recognized means of communication between the Students and the University authorities; (3) to promote social and academic unity among the students. A Union Committee appointed by the Council completed in session 1889-90 the arrangements for opening the "Glasgow University Union." The Council has various Sub-Committees—an Inter-Universities Committee, a Magazine Committee, which conducts during the winter session the "Glasgow University Magazine" (published weekly), an Amusements Committee, and a Song Book Committee.

*Presidents of the Students' Representative Council.*

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| 1885-86. R. M. Wenley, M.A.          | 1889-90. Robert Bell, M.B., C.M. |
| 1886-87. Gavin Lambie, M.A.          | 1890-91. William Newlands.       |
| 1887-88. C. E. Robertson, M.B., C.M. | 1891-92. John White, M.A.        |
| 1888-89. John H. Harley, M.A.        | 1892-93. R. S. HORNE.            |

## STUDENTS.

Number of Students in the several Faculties, Session 1892-93:—

MEN.		
In Arts, - - - - -	- - - - -	928
Theology, - - - - -	- - - - -	86
Medicine (including Summer Matriculation of 1892, 111),	- - - - -	771
Law (including Summer Matriculation of 1892, 2),	- - - - -	199
Arts and Medicine, - - - - -	- - - - -	45
Arts and Law, - - - - -	- - - - -	11
Arts and Theology, - - - - -	- - - - -	9
		2049
WOMEN.		
In Arts, - - - - -	- - - - -	81
Medicine, - - - - -	- - - - -	47
Arts and Medicine, - - - - -	- - - - -	3
		131
Total, - - - - -		2180

By Ordinances No. 3 and No. 22 of the Universities Commissioners (1858), every student is required, at the beginning of each session, to matriculate by enrolling his name in the University Album, before joining any class.<sup>1</sup> The office of the Clerk of Senate will be open for the purpose of Matriculation on and after Monday, 2nd October. The Matriculation Fee is £1 for the Academical year ; for the Summer Session, 10s.

Students are entitled, after matriculation, to the privilege of admission to the University Library, and, under certain conditions, to the Hunterian Museum ; they are also entitled to vote for the Lord Rector. They are classified as students in Arts, Science, Theology, Law, and Medicine, according to the nature of their studies ; and they are likewise, for academical purposes, divided into *Togati* and *Non-Togati*—the students of the Humanity, Greek, Logic, Ethics, and Natural Philosophy classes being *Togati* or gown students, from being required to wear the ancient academical robe—a scarlet cloak.

Under the *Non-Togati*, or ungowned students, are comprehended all those who, having finished their course of instruction in Arts, are prosecuting their studies in the other Faculties, with a more immediate view to their intended professions ; and it comprises also other persons resident in the city or its vicinity, who, though engaged in other avocations, are disposed to cultivate literary pursuits, or to extend their acquaintance with some favourite branches of learning or science, by attending the lectures given at the University.

A distinction is also made between Public and Private students. The former are required to undergo examinations, and to read or perform exercises on the subjects treated of in the lectures,—and they only are allowed to reckon their sessions of study as a qualification for proceeding to degrees in the several Faculties.

By Ordinance No. 18 of the Universities Commissioners (1889) the University Court was empowered to admit women to graduation, and to provide for their instruction, either by

<sup>1</sup> The following addition to Ordinance No. 22, § xxviii., was approved by Her Majesty in Council, on 21st Feb., 1888 : “ Provided always that it shall be lawful for the *Senatus Academicus*, with the approval of the University Court, to sanction the admission of persons who are not matriculated students of the University to any course of instruction in the University not included in the course of study for Graduation in any Faculty, on payment to the General University Fund of an entrance fee of five shillings in addition to the authorized class fee ; but such payment shall not entitle such persons to any other University privilege.

admitting them to the ordinary classes, or by instituting separate classes for their instruction. Under this Ordinance women were for the first time admitted as matriculated students of this University in Session 1892-93.

Medical students have access, for the usual attendance in the wards and on the Clinical Lectures, to the Royal Infirmary situated in the Eastern part of the city, and to the Western Infirmary in the immediate vicinity of the University. In the Royal Infirmary 110 beds are appropriated to the clinical instruction of women.

---

#### UNIVERSITY CHAPEL.

The University Chapel is under the management of a Committee of Senate, of which the Principal is Convener.

Public Worship is celebrated every Sunday afternoon during the Winter Session at half-past Two o'clock, in the Bute Hall. The services are conducted by graduates of this University and other clergymen of various denominations.

---

#### GYMNASIUM.

This building was erected by public subscription, and fitted according to the most improved models, under the superintendence of the late Mr. Maclaren of Oxford, at a total cost of £2600, and was opened for the first time in January, 1872.

The instructor, Mr. Benson, carries out the system of Mr. Maclaren in its entirety. Students are carefully examined and measured on joining, and the exercises graduated according to strength and proficiency. Each student joins a class which meets at the same hour three days in the week.

Gentlemen not connected with the University are admitted to the use of the Gymnasium, and special evening classes are formed for their benefit.

Fees.—1. *For all Students*: One month, 5s.; Two months, 8s. 6d.; Three months, 12s.; Six months, 20s. 2. *For Non-Students*: the Quarter (*i.e.*, twice a-week for three months), 15s.; whole season (seven months), 35s.

The Oxford Silver Medal, presented annually by the late Mr. Maclaren, for competition among the students, is continued by the Gymnasium, and, at the competition in March,



1893, was gained by Napier N. Small. The Bronze Medal for competition among the non-students is also continued.

Classes are also formed after Christmas to meet twice a week for instruction in boxing and fencing.

The Gymnasium is managed by a joint-committee of professors and students.

*Hon. Treasurer*, Matthew P. Fraser, LL.B., 91 West Regent Street, Glasgow.

*Hon. Secretary*, Charles W. Stewart, 18 Annfield Terrace, W.

#### EXAMINATION FOR CANDIDATES FOR THE ARMY.

This Examination, which the Secretary of State for War has accepted as equivalent to the Examination at the English and Irish Universities for similar candidates, consists of three out of the seven Examinations required for the ordinary degree of M.A., but one subject must be taken out of each of the three separate Departments of Classical Literature, Mental Philosophy, and Mathematics. Candidates must not be over twenty-one years of age. Examination Fee, £2 2s. This Examination is intended only for students who have actually attended classes in the University.

## II.—TABLE OF UNIVERSITY FEES.

### I.—MATRICULATION FEES.

At the commencement of each Academical Year, which extends from 1st October to 30th September, and includes both Winter and Summer Sessions, ...	£1 0 0
At the commencement of each Summer Session, if the Student has not matriculated for the Academical Year then current, ... ..	0 10 0

### II.—ENTRANCE FEES (non-curriculum classes).

On admission each Session of persons who are not matriculated Students of the University to any course of instruction in the University not included in the course of Study for Graduation in any Faculty, ...	0 5 0
--	-------

## III.—ENROLMENT FEES (extra-mural lectures).

At the commencement of each year of attendance on the lectures of private Teachers of Medicine, whose Lectures are recognized for Graduation in the University, ... ..	£1 0 0
--	--------

## IV.—EXAMINATION FEES.

For Degree of Master of Arts (M.A.)—New Regulations—	
On each entry for Preliminary Examination, ...	0 10 6
On entering for Examination in each subject, ...	0 10 6
For Certificate of Literate in Arts (L.A.)—	
When all the subjects are taken at one Examination :	
On entering for that Examination, ... ..	2 2 0
When the Examination is divided :	
On entering for Examination in Department first taken, ... ..	1 1 0
On entering for Examination in Department taken next, ... ..	1 1 0
For Diploma for Teachers—	
When the Diploma is delivered, ... ..	2 2 0
For Examination for Candidates for the Army—	
On entering for Examination, ... ..	2 2 0
For Degree of Bachelor of Science (B.Sc.)—New Regulations—	
On each entry for Preliminary Examination, ...	0 10 6
On entering for each subject, ... ..	0 10 6
For Certificate in Engineering Science—	
On entering for last subject of Examination, ...	1 1 0
For Degree of Doctor of Science (D.Sc.)—	
On delivery of Diploma, ... ..	10 10 0
For Degrees of Bachelor of Medicine (M.B.), and Bachelor of Surgery (Ch.B.)—	
On each entry for Preliminary Examination, ...	0 10 6
On entering for First Professional Examination, ...	6 6 0
„ Second „ „ ...	6 6 0
„ Third „ „ ...	5 5 0
„ Fourth „ „ ...	5 5 0
For Degree of Doctor of Medicine (M.D.)—Old Regulations—	
On lodging Thesis, ... ..	15 8 0
(This includes £10 3s. of Government Duty, etc.)	
For Degree of Doctor of Medicine (M.D.)—New Regulations—	
On entering for Examination, ... ..	20 13 0
(This includes £10 3s. of Government Duty, etc.)	
For Degree of Master of Surgery (Ch.M.)—	
On entering for Examination, ... ..	10 10 0
For Diploma in Public Health—	
On entering for Examination, ... ..	5 5 0

For Degree of Bachelor of Laws (LL.B.)—		
The Fee for this Degree is	£5	5 0
Payable £1 ls. on each entry for Examination, and balance before Graduation.		
For Degree of Bachelor of Law (B.L.)—		
On first entering for Examination,	1	1 0
„ second „	1	1 0
„ third „ (or before graduation),	1	1 0
For Degree of Bachelor of Divinity (B.D.)—		
On entering for Examination in First Department,	1	11 6
„ „ Second „	1	11 6
For Degree of Doctor of Divinity (D.D.)—		
On delivery of Diploma :		
When the Graduate holds the Degrees of M.A. and B.D. of this University,	13	14 0
When he holds the Degree of M.A. of this University,	16	17 0
In other cases,	20	0 0

## V.—LIBRARY FEES.

Each Member of the General Council, each year (com- mencing 15th October), in which he wishes use of Library,	0	10 6
Or,		
This may be compounded for by a single payment of	5	5 0
Every Matriculated Student enrolled in a Class, who wishes use of Library, a <i>deposit</i> of	1	0 0
Special Readers—each year in which the privilege is granted,	0	10 6

## VI.—REGISTRATION FEE.

All Candidates proceeding to Graduation after Examina- tion who are not already members of the General Council are required by the Act 44 and 45 Vict., Ch. 40, to pay the Registration Fee, with a view to their names being enrolled in the General Council. The Fee is		
1	0	0

### III.—SEPARATE FACULTIES AND CLASSES.

WINTER SESSION 1892-93.

The University Classes will meet as follows, daily, unless otherwise specified :—

#### I.—ARTS.

THURSDAY, 19TH OCTOBER.

CLASS FEES.—The Fee for every Curriculum Class with a full course in the Faculty of Arts, and for every Science Class, is £3 3s., with the exception of the Natural Philosophy Class and the Roman Law Class, the Fee for each of which is £4 4s. The Fee for the Physical Laboratory is £5 5s., for the Chemical Laboratory, £10 10s. The Fee for every Curriculum Class with a half-course is £2 2s.

<i>Classes.</i>	<i>Hours.</i>	
<i>Humanity, Junior,</i> . . . .	8 a.m., . . . . .	} PROF. RAMSAY.
———— <i>Middle,</i> . . . .	8 a.m. and 11 a.m., . . . .	
———— <i>Senior,</i> . . . .	9 a.m. and 1 p.m., . . . .	
———— <i>Private (or Upper Senior),</i> . . . .	1 p.m., . . . . .	
<i>Greek, Junior, Triones,</i> . . . .	12 noon, . . . . .	} PROF. MURRAY.
———— <i>Proectiores,</i> . . . .	10 a.m., . . . . .	
———— <i>Senior,</i> . . . .	8 a.m. and 2 p.m., . . . .	
———— <i>Private,</i> . . . .	2 p.m., . . . . .	
<i>English Language and Literature,</i> . . . .	4.30 p.m., . . . . .	PROF. BRADLEY.
<i>Hebrew, Junior,</i> . . . .	10 a.m., . . . . .	} PROF. ROBERTSON.
———— <i>Senior,</i> . . . .	9 a.m., . . . . .	
<i>Logic and Rhetoric,</i> . . . .	{ 9 a.m. daily, and 11 a.m. on Friday, . . . . .	} PROF. VEITCH.
———— <i>Higher Course,</i> . . . .	1 p.m., Mon., Tues., and Th., . . . .	
<i>Moral Philosophy,</i> . . . .	8 a.m., . . . . .	} PROF. CAIRD.
———— <i>Higher Course,</i> . . . .	2 p.m., Mon., Wed., and Fri., . . . .	
<i>Political Economy,<sup>1</sup></i> . . . .	5.30 p.m., Tues., Wed., and Th., . . . .	Dr. Smart, Lecturer.
<i>Philosophy of Law,<sup>1</sup></i> . . . .	5.30 p.m., . . . . .	Mr. W. G. Miller, Lecturer.
<i>Mathematics, First,</i> . . . .	9 a.m., . . . . .	} PROF. JACK.
———— <i>Second,</i> . . . .	12 noon or 9 a.m., . . . .	
———— <i>Honours (Intermed.),</i> . . . .	10 a.m., . . . . .	
———— <i>Honours (Advanced),</i> . . . .	11 a.m., Mon., Wed., Fri., . . . .	
<i>Natural Philosophy,</i> . . . .	{ 9 a.m. daily, and 11 a.m. Tu. and Th., . . . . .	} LORD KELVIN.
———— <i>Higher Course,</i> . . . .	12 noon, Mon., Wed., and Fri., . . . .	
<i>Physical Laboratory,</i> . . . .	10 a.m. to 4 p.m., . . . .	} PROF. BECKER.
<i>Astronomy, Junior,<sup>1</sup></i> . . . .	{ 3 p.m., Mon., Wed., and alternate Fri., . . . . .	
———— <i>Senior,<sup>1</sup></i> . . . .	{ 3 p.m., Tues., Th., and alternate Fri., . . . . .	

<sup>1</sup> Half-course.

<i>Classes.</i>	<i>Hours.</i>	
<i>Chemistry,</i> . . . . .	10 a.m., . . . . .	} PROF. FERGUSON.
<i>Chemical Laboratory,</i> . . . . .	10 a.m. to 4 p.m., . . . . .	
<i>Zoology,</i> . . . . .	9 a.m., . . . . .	} PROF. YOUNG.
<i>Zoological Laboratory,</i> . . . . .	10 a.m. to 1 p.m., . . . . .	
<i>Botany (in Summer),</i> . . . . .	. . . . .	PROF. BOWER.
<i>Geology,</i> . . . . .	5.30 p.m., . . . . .	PROF. YOUNG.
<i>Constitutional Law and History,<sup>1</sup></i> . . . . .	5.20 p.m. except Sat., . . . . .	{ Mr. R. T. Younger, Lecturer.
<i>Roman Law,</i> . . . . .	5.30 p.m., . . . . .	
<i>Public Law<sup>1</sup></i> (no class in 1893-94), . . . . .	. . . . .	{ PROF. MOODY STUART. Mr. W. G. Miller, Lecturer.

## II.—SCIENCE.

THURSDAY, 19TH OCTOBER.

<i>Classes.</i>	<i>Hours.</i>	
<i>Mathematics, First,</i> . . . . .	9 a.m., . . . . .	} PROF. JACK.
— <i>Second,</i> . . . . .	12 noon or 9 a.m., . . . . .	
— <i>Honours (Intermed.),</i> . . . . .	10 a.m., . . . . .	
— <i>Honours (Advanced),</i> . . . . .	11 a.m., Mon., Wed., Fri., . . . . .	
<i>Natural Philosophy,</i> . . . . .	{ 9 a.m. daily, and 11 a.m. Tues. and Thurs., . . . . .	} LORD KELVIN.
— <i>Higher Course,</i> . . . . .	12 noon, Mon., Wed., and Fri., . . . . .	
<i>Physical Laboratory,</i> . . . . .	10 a.m. to 4 p.m., . . . . .	} PROF. BECKER.
<i>Astronomy, Junior,</i> . . . . .	{ 3 p.m., Mon., Wed., and alter- nate Fri., . . . . .	
— <i>Senior,</i> . . . . .	{ 3 p.m., Tues., Thurs., and alter- nate Fri., . . . . .	
<i>Chemistry,</i> . . . . .	10 a.m., . . . . .	
<i>Chemical Laboratory,</i> . . . . .	10 a.m. to 4 p.m., . . . . .	PROF. FERGUSON.
<i>Anatomy, Junior,</i> . . . . .	2 p.m., . . . . .	} PROF. CLELAND and Demonstra- tors.
— <i>Senior,</i> . . . . .	11 a.m., . . . . .	
<i>Practical Anatomy,</i> . . . . .	9 a.m. to 4.45 p.m., . . . . .	PROF. M'KENDRICK and Muirhead Demonstrator.
<i>Physiology,</i> . . . . .	12 noon, . . . . .	} PROF. YOUNG.
<i>Physiological Laboratory,</i> . . . . .	10 a.m. to 4 p.m., . . . . .	
<i>Geology,</i> . . . . .	5.30 p.m., . . . . .	} PROF. YOUNG.
<i>Zoology,</i> . . . . .	9 a.m., . . . . .	
<i>Zoological Laboratory,</i> . . . . .	10 a.m. to 1 p.m., . . . . .	} PROF. BOWER.
<i>Botany (in Summer),</i> . . . . .	. . . . .	
<i>Civil Engineering and Me- chanics, Class I.,</i> . . . . .	8 a.m., Mon., Wed., and Fri., . . . . .	} DR. BARR.
— <i>III.,</i> . . . . .	8 a.m., Tues., Thurs., and Sat., . . . . .	
— <i>IV.,</i> . . . . .	9 a.m. daily, ex. Sat., . . . . .	
<i>Engineering Drawing and Calculations,</i> . . . . .	{ 9 a.m. till 5 p.m. daily, except Sat., . . . . .	} PROF. BILES.
<i>Naval Architecture and Mar- ine Engineering, Junior,</i> . . . . .	{ 11 a.m., Mon., Wed., and Fri., . . . . .	
— <i>Senior,</i> . . . . .	{ 11 a.m., Mon., Tu., & Th., . . . . .	
— <i>Practical, Junior,</i> . . . . .	{ 2 till 4 p.m., Tu., Wed., Th., and Fri., . . . . .	
— <i>Senior,</i> . . . . .	{ 2 till 4 p.m., Tu., Wed., Th., and Fri., . . . . .	

<sup>1</sup> Half-course.



## III.—MEDICINE.

THURSDAY, 19TH OCTOBER.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Natural History, Zoology,</i>	9 a.m. . . (Oct.),	£3 3 0 <sup>1</sup>	} PROF. YOUNG.
<i>Geology,</i>	5.30 p.m. . . (Jan.),	3 3 0 <sup>1</sup>	
<i>Zoological Laboratory,</i>	10 a.m. to 1 p.m. (Jan.),	3 3 0 <sup>1</sup>	
<i>Botanical Laboratory,</i>	(Jan., Feb., Mar.), 10 a.m.,	2 2 0	PROF. BOWER.
<i>Clinical Medicine,</i>	9 a.m., . . .	(see p. 49)	} PROF. M'CALL ANDERSON and PROF. GAIRDNER.
<i>Clinical Surgery,</i>	9 a.m., . . .	(see p. 49)	
<i>Chemistry,</i>	10 a.m., . . .	3 3 0 <sup>1</sup>	} PROF. GEORGE BUCHANAN and PROF. MACEWEN.
<i>Chemical Laboratory,</i>	10 a.m. to 4 p.m.,	10 10 0	
<i>Junior Anatomy,</i>	2 p.m., . . .	3 3 0 <sup>2</sup>	} PROF. CLELAND and Demonstrators.
<i>Senior Anatomy,</i>	11 a.m., . . .	3 3 0 <sup>2</sup>	
<i>Practical Anatomy,</i>	9 a.m. to 4.45 p.m.,	3 3 0	
<i>Practice of Medicine,</i>	11 a.m., . . .	3 3 0 <sup>2</sup>	PROF. GAIRDNER.
<i>Materia Medica,</i>	12 noon, . . .	3 3 0 <sup>1</sup>	PROF. CHARTERIS.
<i>Institutes of Medicine,</i>	12 noon, . . .	3 3 0 <sup>1</sup>	} PROF. M'KENDRICK and Muirhead Demonstrator.
<i>Physiological Laboratory,</i>	10 a.m. to 4 p.m.,	—	
<i>Surgery,</i>	1 p.m., . . .	3 3 0 <sup>2</sup>	PROF. MACEWEN.
<i>Forensic Medicine (in Summer),</i>	. . . . .	3 3 0 <sup>2</sup>	PROF. P. A. SIMPSON.
<i>Midwifery,</i>	2 p.m., . . .	3 3 0 <sup>2</sup>	PROF. LEISHMAN.
<i>Diseases of Women (in Summer),</i>	. . . . .	2 2 0	PROF. LEISHMAN.
<i>Pathology,</i>	3 p.m., Mon., Wed., Fri.,	5 5 0 <sup>3</sup>	Dr. Joseph Coats, Lecturer.
<i>Lectures on the Eye (in Summer),</i>	. . . . .	2 2 0	Dr. T. Reid, Lecturer.
<i>Insanity (in Summer),</i>	. . . . .	2 2 0	Dr. Yellowlees, Lecturer.

NOTE.—The Winter Medical Classes will close on Friday, March 23.

## IV.—LAW.

TUESDAY, 24TH OCTOBER.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Scots Law,</i>	8 a.m., . . .	£4 4 0 <sup>2</sup>	} PROF. MOODYSTUART.
<i>Civil Law,</i>	5.30 p.m., . . .	4 4 0	
<i>Conveyancing,</i>	8 a.m., . . .	4 4 0 <sup>1</sup>	PROF. MOIR.
<i>Forensic Medicine—in Summer (1893) (see under Faculty of Medicine),</i>	. . . . .	3 3 0 <sup>2</sup>	PROF. SIMPSON.
<i>Public Law (see p. 78),</i>	. . . . .	3 3 0 <sup>4</sup>	} Mr. W. G. Miller, Lecturer.
<i>Constitutional Law and History (in Summer, 1894),</i>	. . . . .	3 3 0	
			Mr. R. T. Younger Lecturer.

NOTE.—The Winter Classes in the Faculty of Law will close on the 5th of April.

<sup>1</sup> Fee for a Second Session, £2 2s.<sup>2</sup> Fee for a Second Session, £2 2s.; for a Third Session, £1 1s.<sup>3</sup> In two courses, the Fee for the first taken being £3 3s., for the second £2 2s.<sup>4</sup> Fee for a Second Session, £1 11s. 6d.

## V.—THEOLOGY.

TUESDAY, 31st OCTOBER.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Divinity, Senior,</i>	11 a.m.,	£3 3 0	} PROF. DICKSON.
<i>Junior,</i>	12 noon,	3 3 0	
<i>Hebrew, Junior,</i>	10 a.m.,	3 3 0	
——— <i>Senior,</i>	9 a.m. daily, and		} PROF. ROBERTSON.
	1 p.m., Tu. and Th.,	3 3 0	
——— <i>Private,</i>	1 p.m., Mon., Wed., and Fri.,	1 1 0	
<i>Ecclesiastical History, Junior,</i>	11 a.m.,	3 3 0	} PROF. STORY.
<i>Senior,</i>	12 noon,	3 3 0	
<i>Biblical Criticism,</i>	10 a.m.,	3 3 0	} PROF. STEWART.
<i>New Testament Greek,</i>	9 a.m., Tu., Wed., Th.,	2 2 0	

## SUMMER SESSION.

In 1893 the University Court in accordance with Ordinance No. 11, Section 1 (2), of the Universities Commissioners (1889) instituted a Summer Session in Arts, and appointed Mr. John Brown, M.A., Mr. R. M. Burrows, B.A., and Mr. George A. Gibson, M.A., Lecturers, to conduct classes in Latin, Greek, and Mathematics respectively. The arrangements for 1894 have not yet been completed, but during the Summer Session, which opens on Monday, 23rd April, the following courses among others will be delivered :—

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Botany (College),</i>	8 a.m.,	£3 3 <sup>1</sup>	} PROF. BOWER.
<i>Botanical Laboratory,</i>	9 a.m. to 4 p.m.,	2 2	
<i>Botanical Demonstrations,</i>		—	
<i>Clinical Medicine,</i>	9 a.m.,	(see p. 49)	} PROF. M'CALL ANDERSON and PROF. GAIRDNER.
<i>Clinical Surgery,</i>	9 a.m.,	(see p. 49)	
			} PROF. GEORGE BUCHANAN and PROF. MACEWEN.
<i>Physics,</i>	11 a.m.,	3 3	
			} LORD KELVIN and Mr. M. Maclean.
<i>Practical Chemistry,</i>	9 to 11 a.m.,	3 3 <sup>2</sup>	
<i>Chemical Laboratory,</i>	10 a.m. to 4 p.m.,	5 5	} PROF. FERGUSON.
<i>Organic Chemistry,</i>		—	
<i>Anatomical Lectures,</i>	11 a.m.,	} 2 2	} PROF. CLELAND and Demonstrators.
<i>Practical Anatomy,</i>	8 a.m. to 3 p.m.,		
<i>Forensic Medicine,</i>	11 a.m.,	3 3 <sup>2</sup>	PROF. SIMPSON.
<i>Zoological Laboratory,</i>	10 a.m. to 1 p.m.,	3 3 <sup>2</sup>	PROF. YOUNG.
<i>Practical Materia Medica,</i>	12 noon,	3 3 <sup>2</sup>	PROF. CHARTERIS.

<sup>1</sup> Fee for a Second Session, £2 2s.; for a Third Session, £1 1s.

<sup>2</sup> Fee for a Second Session, £2 2s.

<i>Classes.</i>	<i>Hours.</i>	<i>Class Fees.</i>	
<i>Practical Physiology</i> , <sup>1</sup>	12 noon, .	3 3 <sup>2</sup>	} PROF. M'KENDRICK and Muirhead Demonstrator.
<i>Physiological Laboratory</i> ,	10 a.m. to 4 p.m., .	—	
<i>Practical Pathology</i> , <sup>1</sup>	12 noon, .	.	Dr. Joseph Coats, Lecturer.
<i>Practice of Medicine</i> , .	1 p.m., Tu. and Th.,	3	PROF. GAIRDNER.
<i>Operative Surgery</i> , .	1 p.m., <sup>4</sup>	2	PROF. MACEWEN.
<i>Diseases of Women</i> , .	2 p.m., Tu., Th., Fri.,	2	PROF. LEISHMAN.
<i>Lectures on the Eye</i> , .	2 p.m., Tu. and Th.,	2 5	Dr. T. Reid, Lecturer.
<i>Constitutional Law and History</i> (in Summer, 1894),		3 3	Mr. R. T. Younger, Lecturer.
<i>Insanity</i> , . . .	<div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;"> 12 noon, Wed. (University),  3 p.m., Wed., 10 a.m., Sat. </div> <div style="display: inline-block; vertical-align: middle; font-size: 3em; line-height: 1;"> { </div> <div style="display: inline-block; vertical-align: middle;"> (Gartnaveil),— . . </div> </div>	2 2	Dr. Yellowlees, Lecturer.

In addition to the University Courses, the following Hospitals and Dispensaries afford ample means for Practical Instruction in the various departments of Medicine and Surgery :—

**WESTERN INFIRMARY.**—This Hospital contains 400 beds for medical and surgical patients, including Wards for Skin Diseases, and one for diseases peculiar to females. *Physicians*—Prof. W. T. Gairdner, M.D., LL.D., F.R.S.; Prof. T. M'Call Anderson, M.D.; James Finlayson, M.D.; Gavin P. Tennent, M.D.; Samson Gemmell, M.D.; Prof. W. Leishman, M.D. (*Diseases of Women*). *Assistant Physicians*—John Alexander, M.D.; William G. Dun, M.D. *Surgeons*—Prof. George Buchanan, M.D., LL.D.; A. Patterson, M.D.; Hector C. Cameron, M.D.; Professor William Macewen, M.D., LL.D. *Honorary Consulting Ophthalmic Surgeon*—T. Reid, M.D. *Assistant Surgeons*—J. C. Renton, M.D.; George T. Beatson, M.D. *Dispensary Physicians*—R. Stevenson Thomson, M.B.; George Dickson, M.D.; C. O. Hawthorne, M.B.; James Hinshelwood, M.D.; John H. Carslaw, M.B. *Extra Dispensary Physicians*—R. M. Buchanan, M.B.; A. W. Russell, M.A., M.D. *Dispensary Physicians for Diseases of Women*—W. L. Reid, M.D.; Robert Kirk, M.D.; Murdoch Cameron, M.D. *Dispensary Surgeons*—T. K. Dalziel, M.D.; Duncan Macartney, M.B.; James H. Nicoll, M.B. *Extra Dispensary Surgeons*—Andrew Moyes, M.B.; Thomas H. Bryce, M.B. *Dispensary Surgeon for Diseases of the Ear*—Thomas Barr, M.D. *Dispensary Surgeon for Diseases of the Throat*—J. Walker Downie, M.B. *Surgeon*

<sup>1</sup> After first Lecture, the Class will meet in three divisions, 8 to 9 a.m., 11 a.m. to 12 noon, and 12 noon to 1 p.m.

<sup>2</sup> Fee for a Second Session, £2 2s.

<sup>3</sup> Open to all Matriculated Students of the University who have completed their Second Winter of Medical study. This course is supplementary to the Winter course, and takes up special subjects, to be announced in the Summer bills.

<sup>4</sup> Also at other hours as may be arranged.

<sup>5</sup> Includes fee for attendance at Eye Infirmary.

*Dentist*—W. D. Woodburn, L.D.S. *Pathologist*—Joseph Coats, M.D. *Vaccinator*—William MacLennan, M.B. *Medical Superintendent*—Donald J. Mackintosh, M.B. *Lady Superintendent*—Miss E. Clyde. *Secretary*—Henry Johnston, 125 Buchanan Street. The hour of visit is 9 A.M. The Dispensary for Out-Patients is open daily at 2 P.M. Vaccination—Mondays and Thursdays at 12 noon. The station is recognized by the Local Government Board. Fee, £1 1s. According to the present arrangement admission to the practice of this Infirmary is subject to the following regulations:—

1. That every student paying at the commencement of his First Year a Fee of £10 10s., will be entitled to admission to the Infirmary, and also to attend Courses of Clinical Instruction during the winter and summer of the said year.

2. That every student who has thus paid £10 10s., and shall at the commencement of his Second Year pay a further Fee of £10 10s., will have the privilege of admission to the Infirmary, and to the several courses of Clinical Instruction during his lifetime.

3. That the Fee for Hospital Attendance and Clinical Instruction for Six Months only be £7 7s.

4. That the Fee for Hospital Attendance and Clinical Instruction for Three Months only be £4 4s.

5. Any student who shall have paid Fees to the amount of £21 or upwards, in the payments as stated above, shall be entitled to a Ticket, admitting him to the Infirmary, and to the Clinical Instruction during his lifetime.

6. There shall be two courses of Clinical Instruction—the one in the Winter, and the other in the Summer session.

Students who have taken the Hospital Ticket previous to 1st October, 1876, will continue at the scale of Fees then in use, but an additional payment of £10 10s. will make them perpetual students of the Hospital, and admit also to the Clinical Classes under the above rules.

Students who have completed their Clinical Course elsewhere shall be permitted to enter for a six months' course of the *Hospital only*, on payment of a Fee of £2 2s.

**OUT-DOOR VISITATION.**—Senior Students who have passed their Third Professional Examination are permitted to visit the sick poor in the Anderston district, under the supervision of certain Professors of the University and assistants.

ROYAL INFIRMARY.—Hour of Visit—Surgical, 9 A.M. ; Medical, 10 A.M. Clinical Lectures given by the Physicians and Surgeons. Fees for Hospital attendance and Clinical Instruction—same as in the Western Infirmary, excepting fee for six months, which is £6 6s. in the Royal Infirmary.

EYE INFIRMARY, 170 Berkeley Street.—Hour of Visit, 1 P.M. daily. Fee for six months, £2 2s. ; free to those attending, or who have attended, the Lectures on the Eye delivered in the University.

INSANITY.—During the Summer Session Dr. Yellowlees gives in the University a Course of Lectures on Insanity at 12 noon on Wednesdays, and Clinical Instruction at the Glasgow Royal Asylum, Gartnavel, at 3 P.M. on Wednesdays and 10 A.M. on Saturdays. Fee for the combined Course, £2 2s.

There are also Dispensaries for Diseases of the Skin and Ear, and Clinical Instruction in Fevers is given at the Belvidere Hospital.

## FACULTIES IN THE UNIVERSITY.

The whole classes of the University are at present divided into four Faculties—Arts, Medicine, Law, and Theology, but the Universities Commissioners have proposed to institute in addition a Faculty of Science.

### I.—FACULTY OF ARTS.

The Faculty of Arts comprehends four Departments of study, viz. :—A. *Language and Literature*, embracing the classes of Humanity, Greek, English, and Oriental Languages ; B. *Mental Philosophy*, comprising Logic and Metaphysics, Moral Philosophy, Political Economy, and Philosophy of Law ; C. *Science*, including Mathematics, Natural Philosophy, Astronomy, Chemistry, Zoology, Botany, and Geology ; D. *History and Law*, containing Constitutional Law and History, Roman Law, and Public Law.

#### A. LANGUAGE AND LITERATURE.

##### I. HUMANITY.

The original foundation of this Professorship is not extant ; but it appears from the records of the College that it must have



been instituted previous to the year 1637. The Professor is elected by the University Court.

*Professors from the year 1706.*

1706. Andrew Rosse.	1773. Wm. Richardson, M.A.
1735. George Rosse.	1815. Josiah Walker, M.A.
1754. George Muirhead.	1831. William Ramsay, M.A.

1863. GEORGE G. RAMSAY, M.A., LL.D.

The Humanity Class consists of four divisions—*Junior, Middle, Senior, and Private (or Upper Senior) Class*, which latter Class all members of the ordinary Senior Class have the option of attending. Students not requiring a Public Certificate for the Degree or other purpose may attend as Private Students. Private Students attend the Class without taking part in the Class work.

In all the Classes the Students prepare certain work prescribed, and are examined orally every day. In the Private Class the business is conducted largely by Lectures and Prelections delivered by the Professor.

*Junior Class.*

The JUNIOR CLASS meets daily from 8 to 9 A.M. on every week day except Saturday. The subjects of study are: Ovid, Tibullus, Virgil, Cicero, Livy—Latin Grammar—Prosody—Easy Latin Prose Composition.

*Middle Class.*

The MIDDLE CLASS meets daily from 8 to 9 A.M., and from 11 A.M. to 12. The subjects read are: Ovid, Tibullus and Propertius, Virgil, Horace, Cicero, Livy, together with Latin Prose Composition—Grammar—Prosody—History and Antiquities.

*Students entering the Middle Latin Class must have a good knowledge of Latin Grammar, and be able to translate at sight simple passages from Latin into English, and both simple and compound sentences from English into Latin.* All students desiring to enter the Junior or Middle Latin Class for the first time in November, 1893, will be examined in the above subjects on Tuesday, 24th October, at 8 A.M., and they will be placed in the Middle or Junior Class, respectively, in accordance with the result of that Examination. A specimen of the paper will be found at the end of the Calendar.

*Senior Class.*

The SENIOR CLASS meets daily from 9 to 10 A.M., and all

students attending the Senior Class have the option also of attending the Private (or Upper Senior) Class from 1 to 2 P.M. The subjects of study in the class at 9 A.M. are :—The works of Horace—Propertius—Virgil—Cicero—Sallust—Livy—Tacitus—Latin Prose Composition—Latin Prosody—Roman History and Antiquities. The students are examined on paper at intervals during the session. Students may enrol in the Senior Class for Latin Prose only.

All students who propose to join the Senior Class are examined on paper, at the commencement of the session, to test their fitness for the Class. The examination for 1893-94 will be held on Tuesday, 24th October, at 9 A.M. The paper will include (a) Sentences or passages for translation into Latin. Students will be examined in Ramsay's Latin Prose Composition, Vol. I. (b) Translation. Students who have attended the Junior or Middle Class in their first Session are required to satisfy the Professor, in the examination prescribed above, that they are fit to enter the Class.

*Private or Upper Senior Class, 1 p.m.*

This Class is an Honour or Third-year Class, at which advanced work is read. All students who attend the 9 A.M. Class attend at 1 P.M. also, unless exempted for special reasons. Students who attend daily at 1 P.M., and do all the work of the Class, receive tickets qualifying for the M.A. Degree.

One subject is read and lectured upon on Mondays and Fridays; another on Tuesdays and Thursdays; on Wednesdays special classes in Latin prose are held, at which all students of the 9 A.M. Class attend. Students are allowed to attend as Private Students, *i.e.*, as listeners only, without doing any of the work of the Class; but in that case they do not receive tickets qualifying for the Degree.

Students wishing to do Latin Prose, for the Degree or other purposes, may attend one of the special Sections for Latin Prose which meet weekly at 1 P.M. on Wednesdays.

The students are examined orally and on paper at intervals during the Session, both in the subjects read in the Class and on voluntary subjects specially prescribed. A course of five sessions embraces Lectures and Prelections on Plautus—Terence—Lucretius—Catullus—Propertius—Virgil—Persius—Juvenal—Martial—Tacitus.

In all the classes, written exercises in Latin prose are prescribed regularly, and in the Private Class exercises in Latin or English Verse may be prescribed also.

The subjects read in the Session 1893-94 will be as follows:—

1. PRIVATE AND HIGHER SENIOR CLASS, at 1 P.M.—Juvenal ; Plautus, *Rudens* ; Tacitus, *Annals* IV. ; Virgil, *Æn.* IX.

2. SENIOR CLASS, AT 9 A.M.—Propertius, Ramsay's Selections ; Cicero's *Letters* (Prichard and Bernard) ; Horace, *Epistles* I. ; Antiquities and Prosody.

3. MIDDLE CLASS, AT 8 A.M.—Cicero, *Pro Cluentio* ; Horace, *Odes* II. ; Ramsay's Latin Composition.

AT 11 A.M.—Selections from Ovid (Ramsay) ; Virgil, *Æn.* IV. (Sidgwick) ; Livy, Book V. (Pitt Press Series) ; History of Rome (E. Berkley).

4. JUNIOR CLASS, AT 8 A.M.—Selections from Tibullus (Ramsay) ; Cicero, *In Catilinam* III., IV. (Wilkins) ; Ramsay's Prose Composition, Vol. I., and Ramsay's Antiquities.

## II. GREEK.

This Professorship was founded by the College in or about the year 1581. The Professor is elected by the University Court.

### *Professors from the year 1704.*

1704. A. Dunlop, LL.D.	1838. Edmund L. Lushington,
1746. James Moor, LL.D.	LL.D.
1774. John Young, M.A.	1875. R. C. Jebb, D.C.L., Litt. D.,
1821. Sir Daniel K. Sandford, M.A.	LL.D.
1889. G. G. A. MURRAY, B.A.	

The Greek Class consists of three divisions, the Senior, the Middle, and the Junior. Students not requiring a public Certificate may attend as Private Students, *i.e.*, without doing the work of the class.

In all the Classes a certain piece of work is prescribed every day, and the class examined orally upon it. Besides this, at least twice in the session all the Classes are examined on paper on their whole work.

Students are placed in the several Classes in accordance with the result of an Examination held at the opening of the session. This Examination will be held on Wednesday, 25th October, 1893. Accurate knowledge of *Rutherford's Grammar*, *Accidence, Part I.*, and the Elements of Syntax will be required. A piece of unseen translation will also be set. Candidates may profess for examination the first book of Xenophon's *Memorabilia*.

In the case of students who have already attended a Greek Class in the University, a Second or Third Class Certificate in the Lower Middle, or a First Class Certificate in the Junior, qualifies for the Upper Middle. The Professor will also accept as qualifying for the Upper Middle, a certain standard below the Pass in the University Preliminary Examination.

All students should possess the following books:—*Ancient Atlas*; *Greek Lexicon*, Liddell & Scott (large or intermediate edition); *Primer of Greek Literature*, Jebb; *Greek Grammar*, Rutherford.

#### JUNIOR CLASS ('TIRONES').

The Junior Class meets at 12 noon every week-day except Saturday.

*All students before joining the Class should prepare the above mentioned Grammar to the end of the Verb.*

The Class reads extracts from Xenophon and other Greek writers. There are also written exercises in Greek Composition, and examinations in Grammar and the elements of Philology.

#### MIDDLE CLASS ('PROVECTIORES').

The Middle Class meets at 10 A.M. on every week day except Saturday.

The Class usually reads the easier Attic authors, including Lucian. Written exercises in Greek Composition form part of the work.

For teaching purposes the Class is divided into two sections, called 'Upper' and 'Lower' Middle respectively.

#### SENIOR CLASS.

The Senior Class meets at 8 A.M., and certain members of it at 2 P.M., on every week-day except Saturday.

## (1) 8 A.M.

At 8 A.M. the Class reads various Greek authors, and is examined orally every day. Composition is done at this hour.

## (2) 2 P.M. ('SENIOR AND PRIVATE').

At 2 P.M. more advanced work is done: a certain portion of the work bears specially upon the Degree, both for Pass and for Honours. Members of the Senior Class are recommended to attend, but are not in any way bound to do so. Students not requiring a Public Certificate may attend as Private Students, *i.e.* without doing the work of the Class.

Greek Composition forms part of the work.

There is less oral examination in the teaching of this Class, the Professor generally giving lectures or prelections.

*Subjects for Session 1893-94.*

JUNIOR CLASS.—Rutherford's *Greek Grammar*; Sidgwick's *First Greek Writer*; Morice's *Attic Stories*; Farnell's *Tales from Herodotus*.

LOWER MIDDLE CLASS.—Lucian, *Selections* (Heitland); Euripides, *Alcestis* (Bayfield); Sidgwick's *First Greek Writer*.

UPPER MIDDLE CLASS.—Thucydides IV. 1-41 (Graves); Euripides, *Bacchae* (Tyrrell); Plato, *Laches* (Tatham); Composition and Translation at Sight.

SENIOR CLASS.—Plato, *Republic* I. and II. (Warren); Aristophanes, *Clouds* (Merry); Homer, *Odyssey* IV. (Perrin, published by E. Arnold); Composition and Translation at Sight; Sidgwick's *Greek Prose*.

SENIOR AND PRIVATE CLASS.—Theocritus (Snow's Edition); Aeschylus, *Persae*; Historical Lectures on the Peloponnesian War; Composition.

N.B.—When a student is prevented from attending at 8 a.m. he may obtain a Senior Certificate by attending at 2 p.m. provided that he passes both the written examinations.

## III. ENGLISH LANGUAGE AND LITERATURE.

This Chair was founded by ordinance of the Universities Commissioners (1858) of date 25th November, 1861, and is in the gift of the Crown.



*Professors.*

1862. John Nichol, LL.D.

1889. ANDREW CECIL BRADLEY, M.A.

N.B.—Students will find it much to their advantage to take the *English Literature Class*, as has hitherto been the custom, in the later part of their Course.

The subjects of the Ordinary Degree Examinations in October, 1893, and in April and October, 1894, will be found on p. 133. It is necessary for students who enter for these examinations in a session later than that in which they attended the Class to pay special attention to the information there given.

The Class meets daily, except on Saturday, at 4.30 p.m.

Public students are examined orally. They are also required to pass written examinations, and to hand in exercises on subjects set from time to time.

The work of the Class will comprise the following subjects:—

1. English Composition and the Outlines of English Philology. Text-books: Nichol's *Composition Primer*, and Nichol and M'Cormick's *Questions and Exercises on English Composition*.

2. The Elizabethan Drama, with special reference to Shakespeare. Text-books: any edition of Shakespeare (the Globe recommended) and Nimmo's *British Dramatists*. The main subject will be certain representative plays of Shakespeare, including *Henry V.*, *As You Like It*, *Hamlet*, *Othello*, *King Lear*, *Macbeth*, *Coriolanus*, *The Tempest*, *Cymbeline*. Lectures will also be given on Marlowe, Jonson, Beaumont and Fletcher, Webster, and Massinger, as represented by the plays of these authors contained in *British Dramatists*.

3. (a) Chaucer's *Knight's Tale*, in the Clarendon Press edition.

(b) Tennyson's *Idylls of the King*. Annotated editions of most of the *Idylls* have been published by Macmillan, but, as a minute study of the text is not expected, the only necessary text-book will be a copy of Tennyson's works.

HONOURS CLASS.—If, through the appointment of a Professor of History, it should become possible to hold an examination in April, 1894, for the Degree of Master of Arts with Honours in English (see p. 126), an advanced class in English Literature will be instituted, and Mr. Bradley will lecture on some of the subjects specified on p. 134.

IV. ORIENTAL LANGUAGES.

(See under Faculty of Theology, p. 95.)

B. MENTAL PHILOSOPHY.

I. LOGIC AND RHETORIC.

This Professorship is one of those founded in the charter of *Nova Erectio*, in 1577. The Professor is elected by the University Court.

*Professors from the year 1727.*

1727. John Loudon.

1751. Adam Smith, LL.D. | 1787<sup>1</sup>. George Jardine, M.A.

1752. James Clow. | 1827<sup>2</sup>. Robert Buchanan, LL.D.

1864. JOHN VEITCH, LL.D.

This Class meets daily, on five days of the week, from 9 to 10 A.M. for Lecture, and on Friday, from 11 to 12 noon, for Oral Examination.

The Course of Lectures is so arranged as to embrace the following subjects in each session:—

I. PSYCHOLOGY AND METAPHYSICS—under which is given an account of the Faculties and Capacities of the Mind, and of the General Nature, Limits and Objects of Human Knowledge.

II. LOGIC.—(A) Pure or Formal Logic, embracing the Doctrine of Notions (Terms), Propositions, Reasonings, Fallacies. (B) Applied or Material Logic, embracing the Theory and Processes of Science (Observation, Induction, Deduction), and the General Laws of Evidence. Instruction in Logic is conveyed partly by means of a text-book, viz., *Institutes of Logic*.

III. RHETORIC.—A portion of the course is devoted to the Principles of Rhetorical and Oratorical Excellence.

Exercises and Essays on subjects connected with the course are prescribed to the students; and General Written Examinations take place at regular intervals during the currency of the session.

The Class is annually arranged into two divisions, Senior and Junior, according to the age of the students; and prizes

<sup>1</sup> Mr. Jardine was assistant and successor to Mr. Clow from 2nd June, 1774.

<sup>2</sup> Mr. Buchanan was assistant and successor to Mr. Jardine from 1st October, 1824.

are assigned, in each of the divisions, to those who have most distinguished themselves by diligence, proficiency, and ability in the exercises and examinations of the session.

An advanced Class for the HIGHER METAPHYSICS—embracing the subjects prescribed for Honours in Mental Philosophy, will meet three times a week, on Mondays, Tuesdays, and Thursdays, from 1 to 2 P.M.

## II. MORAL PHILOSOPHY.

This Professorship was founded by the charter of *Nova Erectio*, in 1577. The Professor is elected by the University Court.

### *Professors from the year 1727.*

1727. Gerschom Carmichael.	1764. Thomas Reid, D.D.
1730. F. Hutcheson, LL.D.	1796 <sup>1</sup> . Archd. Arthur, M.A.
1746. Thomas Craigie.	1797. James Mylne, M.A.
1752. Adam Smith, LL.D.	1839. William Fleming, D.D.
1866. EDWARD CAIRD, D.C.L., LL.D.	

The Moral Philosophy Class meets at 8 A.M. on five days of the week, and the more advanced class, which is intended mainly to prepare students for the Degree with Honours, on Monday, Wednesday, and Friday, at 2 P.M.

In the Lectures, Moral Philosophy is treated both historically and systematically. One of the most important works on Moral Philosophy is usually selected in each year as the text-book (the work selected to be announced at the beginning of the session); and in connection with it Lectures will be given on Metaphysics and Psychology as the basis of morals, on the principles of Jurisprudence and Social Ethics, and on the relations of Ethics to Theology. An account will also be given of the historical development of Morals, and of the main ancient and modern theories on ethical and social subjects.

In the Higher Moral Philosophy Class Mr. Caird will lecture on the subjects for the Degree with Honours. In Session 1893-94 the lectures will be occupied mainly with the discussion of the fundamental principles of Metaphysics and Psychology, with special reference to their bearing upon

<sup>1</sup> Mr. Arthur was assistant and successor to Dr. Reid from 22nd May, 1780.

Ethics. Recent contributions to Psychology will be examined. Part of the lectures will be devoted to the history of Philosophy, particularly in Ancient Philosophy to the system of Aristotle, and in Modern Philosophy to those of Kant and Hegel, and also of more recent writers, especially Lotze, Hartmann, and Wundt. The Fee for this Class is £3 3s. ; but the University Court has decided that only half the fee shall be charged to those who take the Class under the old Regulations, by which it does not count as a Curriculum Class.

### III. POLITICAL ECONOMY.

This subject was attached to the Chair of Moral Philosophy till 1892, when a separate lectureship was instituted by the University.

*Lecturer.*

1892. William Smart, M.A., LL.D.

The Political Economy Class meets at 5.30 p.m. on Tuesdays, Wednesdays, and Thursdays, beginning 24th October.

The lectures, which are partly doctrinal, partly historical, cover the general principles of Economics, and embrace such subjects as the following:—*Production*.—The Factors ; Land, Labour, Capital : their Relations in the Organization of Industry. *Exchange*.—The Theory of Value : Money, Credit, Banking ; International Trade. *Distribution*.—The Theories of Rent, Profit, Interest, Wages. *Consumption*.—Income, Expenditure, Saving, Destruction ; Effects on Production and Distribution. *Public Finance*.—Poor Laws, National Debts, Taxation. *Modern Problems*.—Protection, Trade Unions, the Unemployed, Bimetallism, Socialism.

The lectures are intended to accompany the study of prescribed books. The text-book for the year is Marshall's *Elements of Economics*, supplemented by Gide's *Political Economy*. Class Fee, £2 2s.

*Preparatory Reading*.—Students are recommended to read the first six chapters of Ricardo's *Principles*, on which an examination, for a special prize, will be set during the first week of the session.

### IV. PHILOSOPHY OF LAW.

(See under Faculty of Law, p. 90).

## C. SCIENCE.

## I. MATHEMATICS.

This Professorship, long suppressed for want of funds, was revived by an Act of Faculty in 1691. The Professor is appointed by the University Court.

*Professors from the year 1691.*

1691. George Sinclair.

1699. Robert Sinclair, M.D.	1796 <sup>1</sup> . James Millar, M.A.
1711. Robert Simson, M.D.	1832. James Thomson, LL.D.
1761. James Williamson, D.D.	1849. Hugh Blackburn, LL.D.
1879. WILLIAM JACK, LL.D.	

*First Class.*

Subjects: *Euclid* and *Algebra*, both from the beginning. Two parallel subdivisions of the Class meet daily (except on Saturdays), one from 9 to 10, and one from 10 to 11.

*Second Class.*

For Students who have attended the first year's course, or who have otherwise acquired a knowledge of *Euclid*, Books I., II., III., IV., and of *Algebra*, as represented by the first twenty-two Chapters (Chaps. XIV., XV., XIX. excepted) of Todhunter's larger text-book. Subjects: *Euclid*, Books V., VI., and XI. 1-21, more advanced *Algebra*, and the elements of transversals and of *Geometrical Conics*, *Trigonometry*, including solution of triangles. Two parallel subdivisions of the Class meet daily (except on Saturdays), one from 9 to 10, and one from 12 to 1.

*Intermediate Honours Class.*

Subjects: *Plane Trigonometry*, *Geometrical and Analytical Conics*, *Differential and Elements of Integral Calculus*. The Class meets from 10 to 11 daily, except on Saturdays.

*Advanced Honours Class.*

Subjects: *Integral Calculus*, *Spherical Trigonometry*, *Geometry of Three Dimensions*, *Differential Equations*, *Finite Differences*. The Class meets at 11-12 on Mondays, Wednesdays, and Fridays.

<sup>1</sup> Mr. Millar was assistant and successor to Dr. Williamson from 26th Feb., 1789.



Attendance on the Mathematical Classes, for not less than two Winter Sessions, one of which must be on either the Upper Junior or the Senior Class, is required for the degree of M.A., in the case of students who began their course before 1st Oct., 1892, "unless the candidate at the time of his entrance to the University shall satisfy the Professors in the Faculty of Arts, on examination, that he is qualified to attend the Senior Class," in which case attendance on that Class for one session is sufficient.

For the "Lorimer," the "Metcalf," and the "Muir" Bursaries in Mathematics, see under Bursaries; and for the Cunninghame Gold Medal, see under Prizes.

## II. NATURAL PHILOSOPHY.

This Professorship was founded by the Charter of *Nova Erectio* in 1577; and the Professor was confined to the department of Natural Philosophy in 1727. The Professor is elected by the University Court.

*Professors from the year 1727.*

1727. Robert Dick.

1751. Robert Dick, M.D.	1796. James Brown, LL.D.
1757. John Anderson, M.A.	1803. W. Meikleham, LL.D.
1846. LORD KELVIN, D.C.L., LL.D., P.R.S.	

The Natural Philosophy Class meets daily at 9 A.M., and at 11 A.M. or 12 noon.

The first hour is chiefly spent in statements of Principles, descriptions of Results of Observation, and experimental Illustrations. The second hour is devoted to Mathematical Demonstrations and Exercises, and Examinations on the Elementary parts of the course, on Tuesdays and Thursdays at 11 A.M.; and to a higher Mathematical Course on Mondays, Wednesdays, and Fridays, at 12 o'clock.

The text-books used are—

"A Treatise on Natural Philosophy," by Professors Sir William Thomson and P. G. Tait (Cambridge University Press); "Elements of Natural Philosophy," by the same authors (Cambridge University Press); "Dynamics and Hydrostatics," by J. T. Bottomley (W. Collins & Sons); "Heat" and "Elasticity," vol. iii. of Sir W. Thomson's "Mathematical and

Physical Papers" (Cambridge University Press); Deschanel's "Experimental Physics," translated by Everett; "Physical Optics," by R. T. Glazebrook (Longmans & Co.); "Absolute Measurements in Electricity and Magnetism," by A. Gray (Macmillan & Co.); "Mathematical Tables," by J. T. Bottomley (Macmillan & Co.); "Exercises in Natural Philosophy," by M. Maclean (James MacLehose & Sons).

The more elementary of the treatises by Thomson and Tait, along with Dynamics and Hydrostatics by Bottomley, will be used for the work required of all students of Natural Philosophy in the regular curriculum. The whole, or certain specified parts of the larger treatise, will be prescribed in connection with voluntary examinations and exercises in the class, and for candidates for the degree of M.A. with honours. Students who desire to undertake these higher parts of the business of the Class ought to be well prepared on all the subjects of the Senior Mathematical Class.

The Laboratory in connection with the Class is open daily from 10 A.M. to 4 P.M. for Experimental Exercises and Investigations, under the direction of the Professor and his official Assistant, and the Demonstrator in Experimental Physics.

The main divisions of the course are—

- (1) Abstract Dynamics (including Elements of Physical Astronomy);
- (2) Properties of Matter;
- (3) Thermodynamics;
- (4) Illustration.

Illustration is conducted partly through examples and calculations; partly by experiment.

A programme of the subjects which will be taken up, as far as time permits, during the Session 1893-94, will be published before the commencement of the Session, and may be had on application at the Natural Philosophy Class-room.

A Summer Course of Lectures on Physics has been instituted for medical students. This course has been arranged to meet the requirements of Ordinance No. 14, Glasgow No. 1—Regulations for Degrees in Medicine.

For the Arnott and Thomson Demonstratorship in Experimental Physics, see p. 98.

## III. PRACTICAL ASTRONOMY.

The Professorship of Practical Astronomy was founded in the year 1760, conjointly with the office of Observer in the University of Glasgow, and is in the gift of the Crown.

*Professors.*

1760. Alex. Wilson, LL.D.	1803. James Cooper, D.D.
1784 <sup>1</sup> . Patrick Wilson, LL.D.	1836. John P. Nichol, LL.D.
1799. W. Meikleham, LL.D.	1859. R. Grant, LL.D., F.R.S.
1893. LUDWIG BECKER, Ph.D.	

An Observatory has always existed in connection with this Chair. The present Observatory is situated on an eminence in the immediate vicinity of the University buildings. The principal instruments are :—A Meridian Circle of six inches aperture, by Ertel of Munich; and an equatorially-mounted Refractor, of nine inches aperture, and thirteen feet focal length, by Cooke of York. The acquisition of the latter instrument is mainly due to the liberality of a few private gentlemen chiefly residing in Glasgow.

Dr. Wilson, the second occupant of the Chair, bequeathed to the University the sum of one thousand pounds, upon the condition that the interest thereof should be applied to the purchase of instruments and books for the use of the Professor of Astronomy and the students attending his prelections.

The Professor of Practical Astronomy is chiefly occupied in directing the operations of the Observatory; but he also delivers two Courses of Lectures on Astronomy at the College during the session, and gives expositions on instruments and methods of observation at the Observatory.

*Junior Class*

(Or FIRST YEAR'S COURSE). Subjects: Elementary Mathematical Astronomy—The celestial sphere and its system of co-ordinates, the earth and phenomena depending on change of position on the earth, units of time and calendar, astronomical refraction, determination of position on the earth, solar system, description of instruments.

The Class meets at three o'clock on Mondays, Wednesdays, and every second week on Fridays. The Friday lecture will

<sup>1</sup> Dr. P. Wilson was assistant to his father from 5th June, 1782.

partly be devoted to numerical calculation. Meetings at the Observatory.

Books—Barlow and Bryan, *Elementary Mathematical Astronomy* (Univ. Corr. Coll. Tutorial Series, London); Sir John Herschel, *Treatise on Astronomy*; or Newcomb, *Popular Astronomy*; also *Nautical Almanac for the Year 1894*.

### Senior Class

(Or SECOND YEAR'S COURSE). Subjects: Spherical Astronomy—Effect of precession, nutation, aberration, parallax on celestial co-ordinates, explanation of the *Nautical Almanac*, theory of theodolite and transit circle, determination of latitude and time, geodetic measurements of heights, terrestrial refraction, elements of triangulation on the earth, the earth a spheroid, elements of theoretical astronomy.

The Class meets on Tuesdays and Thursdays, and every second week on Fridays. An instrument will be set aside at the Observatory for the use of students, and instruction in observing will be given.

It is desirable that the students master chap. I., II., and IV. of Todhunter's *Spherical Trigonometry* (London, Macmillan & Co.), and are well acquainted with the fundamental formulæ of Plane Trigonometry.

Books as above and Brunnnow's *Spherical Astronomy*.

The Professor will be willing to give (without fee) special advanced instruction on two days a week to students who are desirous of learning the determination of orbits of comets and planets.

### IV. CHEMISTRY.

(See under Faculty of Medicine, page 76.)

### V. ZOOLOGY.

(See Natural History, under Faculty of Medicine, page 73.)

### VI. BOTANY.

(See under Faculty of Medicine, page 78.)

### VII. GEOLOGY.

(See Natural History, under Faculty of Medicine, page 73.)

## D. HISTORY AND LAW.

## I. CONSTITUTIONAL LAW AND HISTORY.

(See under Faculty of Law, page 91.)

## II. ROMAN LAW.

(See under Faculty of Law, page 88.)

## III. PUBLIC LAW.

(See under Faculty of Law, page 90.)

---

## II.—CLASSES IN SUBJECTS FOR GRADUATION IN SCIENCE.

## I. MATHEMATICS.

(See under Faculty of Arts, page 60.)

## II. NATURAL PHILOSOPHY.

(See under Faculty of Arts, page 61.)

## III. ASTRONOMY.

(See under Faculty of Arts, page 63.)

## IV. CHEMISTRY.

(See under Faculty of Medicine, page 76.)

## V. HUMAN ANATOMY, INCLUDING ANTHROPOLOGY.

(See under Faculty of Medicine, page 72.)

## VI. PHYSIOLOGY.

(See under Faculty of Medicine, page 79.)

## VII. GEOLOGY, INCLUDING MINERALOGY.

(See Natural History, under Faculty of Medicine, page 73.)

## VIII. ZOOLOGY, INCLUDING COMPARATIVE ANATOMY.

(See Natural History, under Faculty of Medicine, page 73.)

## IX. BOTANY, INCLUDING VEGETABLE PHYSIOLOGY.

(See under Faculty of Medicine, page 78.)



## X. CIVIL ENGINEERING AND MECHANICS.

The Professorship of Civil Engineering and Mechanics was instituted by Queen Victoria in 1840, and is in the gift of the Crown. The emoluments of the Chair were increased in 1872 by a supplemental endowment<sup>1</sup> by Mrs. Elder, widow of Mr. John Elder, engineer and shipbuilder, Glasgow; and more recently, in 1876, an Assistantship was founded by bequest of Mrs. Black, widow of the Rev. Dr. Black, Barony Church, Glasgow.<sup>2</sup>

*Professors.*

- 1840. Lewis D. B. Gordon, C.E.
- 1855. William J. Macquorn Rankine, C.E., LL.D.
- 1873. James Thomson, C.E., LL.D., D.Sc., F.R.S.
- 1889. ARCHIBALD BARR, D.Sc., M.Inst.C.E.

The Courses of the Professor of Engineering extend throughout the winter session, that is from 19th October till 30th March. They comprise Lectures on Engineering Principles and Practice, Instruction in Geometrical Drawing and in Engineering Drawing and Calculations, and visits to Engineering Works and Manufactories.

These Courses are designed primarily to suit students who intend to devote themselves to Civil, Mechanical, Electrical, or Mining Engineering, but the work of the Classes will be found of direct practical utility to architects and to men who are engaged in any occupations connected with manufactures.

The work of the Classes is not intended in any way to supersede the usual requirements of pupilage or apprenticeship in Engineering, but to enable the Engineer to gain such a knowledge of the principles underlying his profession or trade as he cannot acquire by only working in the office, in the field, or in the workshop. The Classes may be attended either before or after pupilage or apprenticeship, or concurrently therewith.

Four Courses of Lectures are arranged for, three of which will be delivered in each session.

To suit the convenience of men engaged in offices and works, two of the Classes will be held at 8 A.M., and the advanced course will be held at 9 A.M.

<sup>1</sup> The annual income of a sum of £5000.

<sup>2</sup> The salary for the Young Assistantship thus founded is £140, or thereby.

**CLASS I.—THE MATERIALS OF CONSTRUCTION AND THE ELEMENTS OF APPLIED MECHANICS.**—Mondays, Wednesdays, and Fridays, at 8 A.M.—The Lectures will treat of the Origin, Preparation, Properties and Uses of the Chief Constructive Materials, especially of Cast Iron, Wrought Iron and Steel, Brass and other Alloys, Timber, Building Stones, Cements and Concrete; and of Methods of Calculation and the more Elementary Principles of Mechanics in their application to problems connected with Engineering Structures and Machines.

**CLASS II.—SURVEYING, LEVELLING, AND SETTING-OUT OF WORKS.**—This Class will not be held during the present session. It will be held in alternate years with Class III., on Tuesdays, Thursdays, and Saturdays, at 8 A.M. Surveying with the Chain and with Angular Instruments; Telemetry; Levelling; the Optical and Mechanical Principles, Tests, and Adjustments of Surveying and Levelling Instruments; Setting-out of Works, especially Setting-out of Railways; Mensuration of Areas of Land and of Volumes in Earth works, etc. The Lectures will treat for the most part of those portions of the subject which are not readily learned in ordinary field and office practice.

**CLASS III.—PRIME MOVERS AND THE MECHANICS OF MACHINERY.**—Tuesdays, Thursdays, and Saturdays, at 8 A.M. The Lectures treat of the Theory of Steam and Gas Engines, the structural details of Boilers and Engines, the Mechanics of Machinery, the Elements of Machine Design, the Transmission of Power, and Friction and Lubrication in Machines. Attendance on this Class should be preceded by attendance on Class I. in the case of students entering with no knowledge of Mechanics.

**CLASS IV.—HIGHER APPLIED MECHANICS AND HYDRAULICS.**—Daily, except Saturday, at 9 A.M. The Lectures treat of the Strength and Elasticity of Materials, the Strength and Stiffness of Beams, Girders, Columns, Framed Structures, Shafts, &c.; Hydraulics and Hydraulic Appliances, including the Gauging of Water, the Flow of Water in Pipes, and the Principles of Water Wheels, Turbines, and Centrifugal Pumps.

Fee for each of the first and second courses taken, £	3	3	0
Fee for a third course, - - - - -	2	2	0
Fee for a fourth course, - - - - -	1	1	0

**ENGINEERING DRAWING AND CALCULATIONS.**—The drawing class room is open daily, except Saturday, from 9 A.M. till 5 P.M. Each student will be required to attend six hours per week (at times to be arranged at the commencement of the session), and will be expected to devote extra time to the performance of work. The work of the Classes will comprise Lectures and Practice in Civil and Mechanical Engineering Drawing, Descriptive Geometry, and Graphical Statics, and the performance of graphical work and calculations in connection with the lecture courses.

The scale of Fees is the same as that for the Lecture Courses.

*Recommendation.*—It is strongly recommended that students of Engineering should, if possible, get themselves engaged, for two or three summers within the period of their attendance in the University, in engineering or architectural service, in offices, or in workshops, or on works such as railways, water works, or harbour works in progress.

*As to the Degrees of B.Sc. and D.Sc. in Engineering Science, see Index.*

*As to the Certificate of Proficiency in Engineering Science, see Index.*

*As to the Muir Bursaries, the Metcalfe Bursaries, the Walker Prizes and the George Harvey Prize, in the Department of Civil Engineering and Mechanics, see Index.*

## XI. NAVAL ARCHITECTURE, INCLUDING MARINE ENGINEERING.

The John Elder Chair of Naval Architecture was founded by the University in 1883. An endowment of £12,500 was provided by Mrs. Elder, widow of Mr. John Elder, engineer and shipbuilder, Glasgow. The Professor is appointed by the University Court.

### *Professors.*

1883. Francis Elgar, LL.D. | 1886. Philip Jenkins.

1891. JOHN HARVARD BILES.

The Courses of the Professor comprise a Junior Course of Lectures and Examinations upon Naval Architecture and the Theory of the Steam Engine and Marine Engine Design, and a Senior Course of Lectures and Examinations upon Naval

Architecture and Marine Engine Design ; also a Junior and a Senior Course of Instruction in Ship Drawing and Calculations and Marine Engine Drawing and Design. The Junior Course of Lectures and Examinations may be taken in either the first or the second year of the regular curriculum, and the classes will meet on Mondays, Wednesdays, and Fridays at 11 A.M. The Classes of the Senior Course will be held on Mondays, Tuesdays, and Thursdays from 11 A.M. to 12 noon, or at any other hour that may be found convenient.

The Junior Course of Instruction in Ship Drawing and Calculations and Marine Engine Drawing and Design is expected to be taken by students in the first year of the regular curriculum ; and the classes will be held on Tuesdays, Wednesdays, Thursdays, and Fridays from 2 P.M. to 5 P.M. The classes of the Senior Course will be held on Tuesdays, Wednesdays, Thursdays, and Fridays from 2 P.M. to 5 P.M., or at any other hour that may be found convenient.

Class Fee—For any Class, £3 3s.

As to the Degree of B.Sc. on the side of Naval Architecture and Marine Engineering, see Index.

As to the Clydebank Scholarship, the Lloyd's Register Scholarship, and the Elder Bursaries, see Index.

---

### III.—FACULTY OF MEDICINE.

The Faculty of Medicine embraces the Classes of Practice of Medicine, Anatomy, Natural History, Surgery, Midwifery, Chemistry, Botany, Materia Medica, Institutes of Medicine, Medical Jurisprudence, Clinical Surgery, Clinical Medicine, Pathology, and the summer Course of Physics for medical students, on all of which attendance is required for the Degree of M.B. To this Faculty also belong the Lectureship on Diseases of the Eye, the Lectureship on Insanity, and the Courses of instruction necessary for the Diploma in Public Health.

---

#### *PRACTICE OF MEDICINE.*

This Professorship, created in 1637, but long suppressed for want of revenue, was revived by the College in 1712, and endowed by Queen Anne in the following year. It is in the gift of the Crown.

*Professors.*

1714. John Johnstoun, M.D.	1789. Thomas C. Hope, M.D.
1751. William Cullen, M.D.	1796. Robert Freer, M.D.
1756. Robert Hamilton, M.D.	1827. Charles Badham, M.D.
1757. Joseph Black, M.D.	1841. William Thomson, M.D.
1766. Alex. Stevenson, M.D.	1852. John M'Farlane, M.D.
1862. WILLIAM TENNANT GAIRDNER, M.D., LL.D., F.R.S.	

The course is directed to the exposition of the Healing Art in its more practical aspects, having regard to the immensely wide range of diseases usually assigned to the physician and the general practitioner, as opposed to the surgeon and the specialist. The general principles and doctrines which are available at the bedside of the sick are each year carefully and thoroughly considered in connection with such a number and variety of illustrative instances as may be expected to leave a lasting and vivid impression of the essentials of Diagnosis, Prognosis, and Treatment, in so far as these can be advantageously delivered in the form of lectures guided by a systematic plan, conveying not only the opinions of the professor, but also references to the general history of opinion, and the steps by which the existing knowledge of disease has been built up. Thus, a broad and sufficient basis is obtained for conveying an insight into what may now be regarded as settled medical doctrine, and also, as regards points which cannot be so considered, suggestions as to the direction in which we may reasonably look for guidance in the future. But no attempt is made to give a complete synopsis annually of the details of practice in all departments; for this, the student is of necessity referred to one or other of the current text-books. In 1893-94, the first part of the course will be occupied with the principal, and especially the specific, Fevers; and precedence will be given to those of which practical illustrations may be found in the City of Glasgow Fever Hospital at Belvidere, the students being recommended in the strongest manner to avail themselves as far as possible of the opportunities afforded under the Local Authority for Clinical Instruction in this subject. The general doctrines of Pyrexia, the use of the thermometer as a medical instrument, the physiological and pathological relations of temperature to functional disturbance and tissue-change, will be discussed in this part of the course. The connection of particular Fevers with micro-



organisms, and the general doctrines thence arising, will be indicated so far as is possible without diverging too much from practical lines; and the prevention, as well as the treatment, of the different Fevers will be considered, so as to comprise in this part of the course the principles, if not the details, of sanitary administration. In the early part of the course (at least up to Christmas) instruction will also be given on the elements of Physical Diagnosis, so as to constitute a preparation for hospital and dispensary work. Diseases of the Heart and Great Vessels will next engage attention, and after these, certain Diseases of the Lungs, the Nervous System, and of the Abdominal Viscera, so far as time permits. Professor Gairdner has been in the habit of giving two lectures a week in summer in order to overtake subjects left out of the winter course, attendance on these lectures being voluntary, and without additional fee. In the summer of 1893 this course will be upon Diseases of the Kidneys, and on certain forms of Disease of the Nervous System. The course will be illustrated by diagrams and tables, hand-coloured drawings and photographs, etc., wax casts, models, and preparations of morbid Anatomy; and, while Clinical Instruction, as given in the Western Infirmary, will necessarily and properly be kept entirely distinct from systematic, incidental reference will sometimes be made to cases under treatment as illustrating details or principles which it is desirable so to bring home to the student. Professor Gairdner conducts at the Western Infirmary, both in winter and in summer, part of the regular Clinical Instruction given to the Medical Students of the University; and he holds that such instruction (whether given by him or by others) is the only form of "laboratory" or "practical" instruction which has any relation to a course of Practice of Medicine. Tutorial Instruction, however, on the basis of the lectures, and by examination *viva voce*, will be given to the class in sections, at separate hours adjusted to the convenience of students, one hour a week being assigned to each section. Three written examinations are held in the course of the winter session, in December, February, and March respectively; and the medals and certificates of distinction are determined upon the basis of these Examinations, for which the tutorial classes are considered as a preparation. The meetings of the whole class (including the written examinations) will amount to about 100 during the winter session.

*Text-Books.*—Those most generally used in the Class are:—Bristowe's *Theory and Practice of Medicine*, last edition; Finlayson's *Clinical Manual for diagnosis and hospital work*; and Tanner's *Index of Diseases* (for reference to remedies and formulæ). The following well-known systematic treatises, however, are also recommended, and may be used by those who prefer them, viz. :—The recently published *Principles and Practice of Medicine*, by the late Dr. Fagge (London, 1886); Frederick Roberts, Niemeyer (American translation), Strümpell (also translated in America, but published in London, 1887); Austin Flint, *Principles and Practice of Medicine*, 1886, 6th edition. Graham Brown's, also Fenwick's *Treatises on Medical Diagnosis*, and Gee on *Auscultation and Percussion*, are smaller and more special works, which will be found very serviceable. A still more recent, and excellent, Text-book on Physical Diagnosis is that of Drs. Gibson and Russell, of Edinburgh. The well-known dictionaries of Quain and Fowler, with the older one of Reynolds, and the immense Cyclopædia in sixteen volumes (together with Index Vol. and Supplement), edited by Ziemssen (translation 1875-81), though not at all suitable as text-books, may be referred to on particular topics, and are accessible in the Library. The Professor's *Clinical Medicine* (1862) is out of print, but will be found in the Reading-Room, and may be used for occasional reference.

### ANATOMY.

This Professorship, with which Botany was at first associated, was founded in 1718 by the Crown and College jointly. A separate Professorship of Botany was established in 1818, a distinct lectureship on that branch having existed for a considerable time previously.

#### *Professors.*

1720. Thomas Brisbane, M.D.	1781. William Hamilton, M.D.
1742. Robert Hamilton, M.D.	1790. James Jeffray, M.D.
1756. Joseph Black, M.D.	1848. Allen Thomson, M.D.,
1757. Thos. Hamilton, M.D.	LL.D., F.R.S.
1877. JOHN CLELAND, M.D., LL.D., D.Sc., F.R.S.	

#### *Demonstrators:*

John Yule MacKay, M.D.  
John Morton, M.B., C.M.

In the WINTER SESSION, Anatomical Instruction is conducted in the following courses, viz.:—

1. ELEMENTARY DESCRIPTIVE LECTURES.—This Class meets on five days weekly, from 2 to 3 o'clock. The lectures comprehend a full systematic description of the Bones, Joints, Muscles, and Muscular Organs, and a general view of the Nervous System, and Viscera.

2. ADVANCED DESCRIPTIVE LECTURES AND DEMONSTRATIONS.—This Class meets on six days weekly, from 11 to 12 o'clock, viz., on five days for lecture, and on Saturday for Microscopical Demonstrations. The course comprehends: 1st, Demonstrations of Regional or Topographical Anatomy, including the Distribution and Relations of the Blood-Vessels and Nerves; 2nd, Histology and a Detailed Description of the Viscera, Brain, and Organs of Sense.

3. PRACTICAL ANATOMY, or DISSECTIONS made by the students, under the superintendence of the Professor and Demonstrators. The rooms are open from 9 A.M. to 4.45 P.M. daily, except on Saturdays when they close at mid-day.

*Text-Books*—Quain's or Gray's *Anatomy*; Cleland's *Directory for Dissection*.

In the SUMMER SESSION, the rooms for Practical Anatomy are open from 8 A.M. to 3 P.M. daily. Demonstrations on Surgical and Topographical Anatomy, as well as lectures on Embryology and other of the higher branches of Anatomy, are delivered regularly, and are free to members of the Practical Class.

---

### NATURAL HISTORY.

This Professorship was founded by George III., in 1807. The Professor is appointed by the Crown. In 1876 Mrs. Honyman Gillespie of Torbanehill endowed a Lectureship in Geology, to be called the "Honyman Gillespie Lectureship," in memory of her husband, W. Honyman Gillespie, Esq. The Professor of Natural History is the present Lecturer.

#### *Professors.*

1807. Lockhart Muirhead, LL.D.

1829. William Couper, M.D. | 1857. Henry D. Rogers, LL.D.

1866. JOHN YOUNG, M.D.

*Honyman Gillespie Lecturer.*

1876. JOHN YOUNG, M.D.

The arrangements for the ensuing year are as follows :—

1. A course of Lectures on Zoology, daily at 9 A.M., beginning in October.

2. A course of Lectures on Geology, daily at 5.30 P.M., beginning in January.

3. Announcement of the Demonstrations in Geology will be made as soon as the William Baxter Demonstrator shall be appointed. (See page 99.)

Practical Instruction in Zoology will be given in the Zoological Laboratory during the winter and summer sessions by the Professor, with the assistance of Mr. James Rankin. A copy of the Laboratory regulations may be obtained from the Laboratory attendant.

N.B.—*These arrangements are subject to alteration as may be required under future Ordinances of the Universities Commissioners.*

The Professional Examinations in October, 1893, will have special reference to the *Aves*, *Insecta*, and *Annelida*; those in April, 1894, to the *Lamellibranchiata*, *Gasteropoda*, *Arachnida*, and *Reptilia*.

---

## SURGERY.

This Professorship was founded in 1815, and is in the gift of the Crown.

### *Professors.*

1815. John Burns, M.D.

1850. James A. Lawrie, M.D.

1860. Joseph Lister, M.B., F.R.S.

1869. Sir George H. B. Macleod,  
M.D., LL.D., F.R.S.E.

1892. WILLIAM MACEWEN, M.D., LL.D.

The Professor delivers during winter a course of lectures on the Principles and Practice of Surgery, and in summer conducts a course of Operative Surgery. He also conducts at the Western Infirmary part of the Clinical Instruction given to the Medical Students connected with the University.

## GENERAL OUTLINE OF COURSE.

Anæsthesia.

Wounds and their Varieties ; Hæmorrhage and its arrest.

Inflammation, including the Histological Phenomena of destruction and repair.

Infective Processes and Diseases dependent upon Bacteria and their products.

Neoplasms.

Injuries, including Fractures and Dislocations.

Regional Surgery.

## MIDWIFERY.

This Professorship was founded by George III. in 1815. The Professor is appointed by the Crown.

*Professors.*

1815. James Towers, M.D.

1820. John Towers, C.M. | 1834. William Cummin, M.D.

1833. Robert Lee, M.D. | 1840. John M. Pagan, M.D.

1868. WILLIAM LEISHMAN, M.D.

The Lectures embrace the Theory and Practice of Midwifery and the Diseases of Children. The Professor was *ex officio* Physician to the University Lying-in Hospital and Dispensary, an institution which was many years ago established in the neighbourhood of the old College. The altered circumstances of the school having, however, rendered this situation unavailable for Clinical instruction, other arrangements have now been made by which the Managers of the Western Infirmary have placed a ward for the Diseases of Women under the charge of the Professor. Ample opportunity is afforded for Clinical instruction in Midwifery at the Glasgow Maternity Hospital, to which the Professor holds the appointment of Consulting Physician.

A course of lectures on the Diseases of Women is delivered in summer.



## CHEMISTRY.

This Professorship was founded by George III. in 1817, previous to which time (from 1747) there were Lecturers on Chemistry appointed by the University. The Professor is appointed by the Crown.

*Lecturers.*

1747. William Cullen, M.D.	1769. William Irvine, M.D.
1756. Joseph Black, M.D.	1787. Thomas C. Hope, M.D.
1766. John Robison, LL.D.	1791. Robert Cleghorn, M.D.

*Professors.*

1818. Thomas Thomson, M.D.	1852. Thomas Anderson, M.D.
1874. JOHN FERGUSON, M.A., LL.D., F.S.A.	

*Assistants.*

James Stanley Muir, B.Sc. | William R. Lang, B.Sc.

*Lectures on Systematic Chemistry.*

The Lectures of this course are delivered daily at 10 A.M. during the Winter Session. They commence with the discussion of the General Principles of Chemical Philosophy, the Non-Metallic and Metallic Elements and their compounds are then treated of, and the latter part of the Course is devoted to the subject of Organic Chemistry. Each year's course is complete in itself, but in alternate years different departments of the Science are treated *in extenso*, Inorganic Chemistry being discussed in full one year, and a shorter time given to Organic Chemistry, while next year the Inorganic department is curtailed, and the Organic more fully treated.

*Tutorial Classes.*—In addition to attendance at the lectures, the students are required to attend the Tutorial Classes, each of which meets twice a week. In these classes additional instruction, by means of oral examination and written exercises, is given.

Written examinations of the whole class are held at intervals during the session.<sup>1</sup>

<sup>1</sup> Arrangements are making by which short courses of from 12 to 20 or 25 Lectures on some special or advanced subject will be delivered during the Session. The subject of these courses will be announced from time to time.

It is proposed to give Lectures next Session on some of the Subjects connected with the B.Sc. Degree, and also a course of Lectures on the earlier period of Modern Chemical History.

*Analytical Chemistry.*

The Laboratory is open daily during the Winter and Summer Session from 10 A.M. to 4 P.M., for instruction in Chemical Analysis and the application of Chemistry to Medicine and the Industrial Arts. Each student works independently, and goes through a regular series of analytical experiments of gradually increasing difficulty, until he is capable of performing a complete analysis. The more advanced students engage in original investigation.

Fee for the Winter Session, £10 10s.; for the Summer Session, £5 5s.

*Practical Chemistry.*

This Course, which is intended for Medical Students, is given during the Summer Session. It treats of the methods of testing the different bases and acids, the detection of poisons, and the preparation of the more important Pharmaceutical compounds.

Attendance on the course of Chemistry being required for the Certificate in Engineering Science, and for the degree of B.Sc., the attention of students is directed to the following points. It will be found of great advantage to attend the Laboratory course as well as the Lectures, and care should be taken to arrange the classes in such a manner as to leave an interval for study between the conclusion of the Chemical Classes and the Degree Examination.

The Senate have resolved that "Hereafter no candidate for a Certificate in Engineering Science shall be admitted to examination in the Department of Chemistry who has not attained to the value of 50 per cent. for his written exercises in the class."

For the "Malcolm Kerr," the "Metcalf," the "George A. Clark" Bursaries, the "John Clark (Mile-end)" Scholarships, the "Breadalbane" Scholarships, the "Donaldson" Scholarships, and the "Mackay Smith" Scholarship, in connection with Chemistry, see under "Bursaries" and "Scholarships."

*BOTANY.*

This Professorship was founded in 1818. The appointment is vested in the Crown. (See page 118, as to Botanic Garden.)

*Professors.*

1818. Robert Graham, M.D.		1845. G. A. Walker-Arnott, LL.D.
1821. Sir W. J. Hooker, LL.D.		1868. Alexander Dickson, M.D.
1841. John H. Balfour, M.D.		1879. I. B. Balfour, M.D., D.Sc.
1885. FREDERICK O. BOWER, D.Sc.		

Lectures are given at the College every Tuesday, Wednesday, Thursday, Friday, and Saturday, at 8 A.M., during the months of May, June, and July. On Saturdays, according as the season and the weather permit, either excursions are made for the study of plants in the field, or microscopic demonstrations are given in the Laboratory.

Demonstrations are given in the Botanic Garden or at the College during June and July.

The Botanical Laboratory at the College is open daily from 9 A.M. to 4 P.M. from the end of April to the middle of July. Classes for elementary practical work in the Botanical Laboratory are formed during these months at hours, so far as practicable, to suit the convenience of students.

A course of advanced Lectures, as well as a more extended course of Practical Instruction, designed for candidates for the Science Degree, or other more advanced students, will be given in the Laboratory during the winter session. Notice of times of meeting of these classes will be given in due course.

The University Herbarium may be consulted by students on applying to the Professor.

Students in the Botanical Class may obtain, by applying to the Professor, specimens of plants from the Botanic Garden for private study.

Fees for the Elementary Class:—First Course, £3 3s. Second Course, £2 2s. Third Course, £1 1s. For the advanced course of Lectures, £ . For the Botanical Laboratory (either the elementary or the advanced course), £2 2s.

For particulars as to the "Dobbie-Smith" Gold Medal, see under "Prizes."

*MATERIA MEDICA.*

A Lectureship on this branch was founded by the College in 1766, and a Professorship created by the Crown in 1831.

*Lecturers.*

1766. William Irvine, M.D.	1788. Richard Cleghorn, M.D.
1787. Thomas C. Hope, M.D.	1791. Richard Millar, M.D.

*Professors.*

1831. Richard Millar, M.D.	1855. John A. Easton, M.D.
1834. John Couper, M.D.	1865. John B. Cowan, M.D.
1880. MATTHEW CHARTERIS, M.D.	

The Winter Course of Materia Medica and Therapeutics will be chiefly devoted to the action of remedies and the treatment of disease by drugs, climate, diet, and other agencies.. In the Summer Course of Practical Materia Medica, including Practical Pharmacy, which it is advisable to take before the Winter one, the student will be instructed in the preparation of various official preparations, in tests as to the purity of drugs, and demonstrations will be given, which are intended to assist his recognition of the most important substances in the British Pharmacopœia. Questions on both subjects will be submitted to candidates at the second professional examination at the end of the third Winter Session or at the close of the Summer Session following.

*Text-books.*—For Materia Medica and Pharmacy, Mitchell Bruce's *Materia Medica*, etc., Whitla's *Elements of Pharmacy*, etc.; for Therapeutics, Charteris's *Practice of Medicine* (6th edition).

*INSTITUTES OF MEDICINE, OR PHYSIOLOGY.*

This Professorship was founded by Her Majesty, Queen Victoria, in the year 1839.

*Professors.*

1839. Andrew Buchanan, M.D.
1876. JOHN GRAY M'KENDRICK, M.D., LL.D., F.R.S., F.R.S.E., F.R.C.P.E.

*Muirhead Demonstrator.*

William Snodgrass, M.A., M.B., C.M.

## SYSTEMATIC LECTURES.

The Lectures of this course are delivered daily at 12 noon during the Winter Session. They are devoted to an exposition of the main principles and facts of the Physiology of man.

1. *General Physiology*, which includes a description of the functions of the various tissues, and of the chemical reactions which occur in the living body.

2. *Special Physiology*, or the functions of organs and systems of organs. This division of the subject includes (1) nutrition, (2) animal movements, (3) innervation, and (4) reproduction.

Written and oral examinations are held during the session.

## PRACTICAL PHYSIOLOGY.

During the *Summer Session*, practical instruction is given in the Laboratory, by the Professor, Muirhead Demonstrator, and assistants, to classes of not more than thirty-five students in each class, at such hour or hours as may be found convenient. The hours usually selected are 8 to 9 A.M. and 12 noon to 1 P.M. daily (except Saturday). This course includes :—(1) Instruction in the use of the microscope, and in the microscopical examination of the various tissues with the aid of modern methods of hardening, staining, cutting, and mounting preparations. (2) The analysis of the principal fluids of the body, with special reference to the physiological processes by which they are produced. (3) The modes of observing and recording physiological phenomena. Students will be instructed in the use of physiological apparatus, and will have the opportunity of acquiring information which cannot readily be communicated in systematic lectures. Fee, £3 3s.

Candidates for the degree of B.Sc. will have special facilities for Laboratory work *during the Winter Session*. (See Regulations for the Degree of B.Sc.)

*The Laboratory.*

The Laboratory is open daily from 10 A.M. to 4 P.M., under the superintendence of the Professor, to whom application should be made by those who may wish to pursue original investigation. It is furnished with the most modern appliances both for research and for the illustration of lectures on Physiology.



*Text-Books.*

For the Systematic and Practical Classes—*Text-Book of Physiology*, 2 vols., by Dr. M'Kendrick.

As to the Muirhead Demonstratorship of Physiology see p. 98.

---

*MEDICAL JURISPRUDENCE.*

This Professorship was created by the Crown in 1839.

*Professors.*

1839. Robert Cowan, M.D. | 1841. Harry Rainy, M.D.  
1872. PIERCE ADOLPHUS SIMPSON, M.A. (Cantab.), M.D.

The lectures on Forensic Medicine are intended to elucidate the application of Medical Science to judicial proceedings, whether civil or criminal.

The first part of the course is occupied with Medical Evidence as bearing on personal injuries, including Poisoning. This is followed by lectures on Hygiene, on questions connected with the Sexual Functions, and on those relating to Bodily and Mental Soundness.

In addition to oral examinations, subjects are prescribed for written exercises; and in the department of Toxicology facilities are afforded for students desirous of becoming practically acquainted with the tests for poisonous substances, and the processes for separating these from organic mixtures.

N.B.—*The Lectures on Forensic Medicine are delivered during the Summer Session daily at 11 a.m. (See under Faculty of Law.)*

---

*CLINICAL SURGERY.*

This Professorship was founded by the University in May, 1874. The Professor is appointed by the University Court.

*Professor.*

1874. GEORGE BUCHANAN, M.A., M.D., LL.D.

The Professor teaches Clinical Surgery by "Lectures and other instruction" on the cases of patients affected with injuries, diseases, etc., requiring Surgical treatment. There is a Summer as well as a Winter Course.

*CLINICAL MEDICINE.*

This Professorship was founded by the University in May, 1874. The Professor is appointed by the University Court.

*Professor.*

1874. THOMAS M'CALL ANDERSON, M.D.

The Professor teaches Clinical Medicine by "Lectures and other instruction" on the cases of patients requiring Medical treatment. There is a Summer as well as a Winter Course.

---

*PATHOLOGY.*

This Lectureship being held by the Pathologist to the Western Infirmary, the classes are conducted in that institution, and material for practical instruction is thereby afforded.

*Lecturer.*

1890. JOSEPH COATS, M.D.

Two courses are held, one of Pathology in winter, and one of Practical Pathology in summer.

The course of Pathology consists of systematic lectures and demonstrations. The lectures are devoted to an exposition of the fundamental facts and principles of Pathology. In the demonstrations the fresh material from the Infirmary is used as the basis for an exposition of the subjects illustrated by it. Microscopic demonstrations are held on Saturdays in connection with both the lectures and demonstrations.

The class of Practical Pathology meets during the Summer Session. The students are taken through a course of Pathological Histology and Bacteriology.

In the work of the classes two assistants take part. The Museum of the Western Infirmary is open to the students, and a printed catalogue is provided. The post-mortem examinations, which are conducted from 10 a.m. onwards, are also open to the students. Text-books.—*A Manual of Pathology* by Dr. Joseph Coats, and *Practical Pathology* by Dr. J. Lindsay Steven.

---

*DISEASES OF THE EYE.*

This Lectureship was instituted by the University in 1828. Great advantages are offered to students for the study of this

branch of practice by the Lecturer being one of the Surgeons of the Glasgow Eye Infirmary.

*Lecturers.*

1828. William M'Kenzie, M.D. | 1868. George Rainy, M.D.  
1869. THOMAS REID, M.D.

*Waltonian Medical Lectureship.*

Founded in 1788 by Rev. Dr. William Walton, of Upton, in the County of Huntingdon, who bequeathed to the Senate for its support the sum of £1,000, which has been increased by subsequent accumulations to £2,650. It is at present held by DR. THOMAS REID, who is also lecturer on Diseases of the Eye.

---

*INSANITY.*

This Lectureship was instituted by the University in 1880. Great advantages are offered to students for the study of this subject, the Lecturer being Physician-Superintendent of the Royal Lunatic Asylum, Gartnavel.

*Lecturer.*

1880. DAVID YELLOWLEES, M.D., LL.D.

A Course of Lectures is given in the University at 12 noon on Wednesdays during the summer session, and Clinical Instruction at the Asylum, Gartnavel, at 3 P.M. on Wednesdays and 10 A.M. on Saturdays. Fee for the combined course, £2 2s.

For the Mackintosh Mental Science Bursary in connection with this class see "Bursaries."

---

IV.—FACULTY OF LAW.

The Faculty of Law embraces the classes of Law (including Scots Law and Civil Law) and Conveyancing, and also the class of Medical Jurisprudence. In this Faculty there are also Lectureships on Public Law and on Constitutional Law and History. The Lecturers are appointed for the term of four years.

For the information of students proposing to enter the legal profession, whether as Advocates or as Law Agents, it may be stated that by the regulations of the Faculty of Advocates, every intrant to the Faculty is required to produce evidence of

being duly qualified (1) in General Scholarship, and (2) in Law. In General Scholarship the possession of any one of certain University degrees, including the degree of M.A. or LL.B. from a Scottish University, is deemed a sufficient qualification. If the intrant does not hold a qualifying degree he is required to undergo an examination in certain specified branches of General Scholarship, as to which information may be obtained on application to the Clerk of Intrants to the Faculty. On the expiration of a year after the intrant has been found qualified in General Scholarship, his examination in Law may be proceeded with, subject to these conditions: (1) That he shall not during the year before such examination have engaged (except with the sanction of the Dean and his Council, upon special application before the year commences) in any trade, business, or profession, either on his own account, or as assistant to or in the employment of another; and (2) that he shall produce evidence of attendance on a certain course of study in Law. The attendance so required is as follows:—(1) attendance during at least one session as a pupil in a class of Scots Law, and a class of Conveyancing, in a Scottish University; (2) attendance during at least one session as a pupil in a class of (a) Civil Law, (b) Public or International Law, and (c) Constitutional Law in a Scottish University or in such other University as may be approved of by the Dean and his Council, and (d) Medical Jurisprudence, in a University, or in a School recognised as qualifying for University Degrees. On the production by the intrant of evidence of his having attended the necessary classes (which he may attend in any order he thinks fit), he is examined (1) on Civil Law, (2) on Private International Law, and (3) on Scots Law. If, however, the intrant has obtained the degree of LL.B. from a Scottish University he is held qualified in General Scholarship and Law without examination or other evidence of qualification, and may at once proceed to what is termed his “Public Examination,” subject to the condition that during the year immediately before presenting his diploma he shall not have been engaged in any trade, business, or profession, as above set forth, except with the previous sanction of the Dean and his Council. The regulations regarding the “Public Examination,” which all intrants, whether graduates or not, must undergo, require that the intrants shall write a Thesis on a Title of the Pandects assigned

to him by the Dean, and shall defend it on its being impugned. The question as to the intrant's admission is then decided by the Faculty voting by ballot.

Admission to the profession of a Law Agent is regulated by the Law Agents Act, 1873, 36 and 37 Vict., c. 63, and by certain relative Acts of Sederunt of the Court of Session, including one dated 20th December, 1873, prescribing rules as to subjects of examination and certain conditions of admission. The Act requires in general that every applicant for admission must have served an apprenticeship of five years with a practising law-agent or with a sheriff-clerk in office at the passing of the Act, which apprenticeship, if entered upon after the passing of the Act, must be served under indenture, recorded and intimated as the Act requires. In certain cases, however, an apprenticeship for three years is allowed as sufficient, the excepted cases including that of a person holding a degree in Law or in Arts of a University in Great Britain or Ireland granted after examination. The above-mentioned Act of Sederunt provides that (save in certain special excepted cases) no one shall be admitted as an apprentice until he has passed an Entrance Examination by the Examiners appointed by the Court. It also prescribes the subjects of that examination as well as of the examinations in General Knowledge and in Law which (subject also to certain exceptions) every applicant for admission as a Law Agent is required to pass before the same Examiners. An apprentice or applicant for admission is exempted from any entrance examination or examination in General Knowledge, if (*inter alia*) he holds a degree of any University in Great Britain or Ireland granted after examination, or if he has attended in three separate sessions three separate classes in Arts in any Scottish University (one of such classes being Humanity), and has taken part in the examinations in such classes. Also apprentices and applicants for admission who hold Leaving Certificates granted by the Lords of the Committee of the Privy Council on Education to pupils of Higher Class Schools, are exempted from examination in the subjects which these Certificates cover, Certificates of any Grade being sufficient for the Entrance Examination, but Higher Grade Certificates being necessary for the General Knowledge Examination. By an Act of Sederunt of 20th July, 1878, it is declared not to be necessary for any applicant for admission who



holds the degree of LL.B. or B.L. of any Scottish University to undergo an examination in Law before the Examiners, excepting only on Forms of Process, Civil and Criminal. By an Act of Sederunt of 4th November, 1886, it is provided that, while it is not necessary for admission as a Law Agent that any applicant shall have attended the classes of Scots Law and Conveyancing in a Scottish University, it shall be in the power of the Examiners, in conducting the examination of any applicant, to take into account whether such applicant has or has not attended such classes.

Important changes on the regulations regarding admission to the profession of a Law Agent have been made by an Act of Sederunt, dated 18th March, 1893, which comes into operation on 1st January, 1894, by which the Act of Sederunt of 20th December, 1873, and all amending provisions in subsequent Acts of Sederunt are repealed except as to anything that has been done in pursuance thereof. This Act of Sederunt institutes two examinations in General Knowledge, instead of the present Entrance Examination and General Knowledge Examination, the first of which is to be taken before or within one year after the commencement of apprenticeship, and the second either immediately after the first examination or at any time within three years thereafter. The Act of Sederunt prescribes the subjects of these examinations and of the examination in Law. Lower or Higher Grade Leaving Certificates exempt from the first examination in General Knowledge, and Higher Grade Leaving Certificates from the second examination. Higher Standard Certificates in the Preliminary Examination for M.A. under Ordinance No. 11 exempt from both of these examinations. A candidate for admission as Law Agent is exempted from any examination in General Knowledge, if (*inter alia*) he hold a Degree of any University in the United Kingdom granted after examination, but there is no exemption from examination of a candidate who has attended three separate classes in Arts in separate sessions as under the previous Act of Sederunt. A candidate who holds the degree of LL.B. or B.L. of any Scottish University is exempted from any examination in Law, excepting only on Forms of Process, Civil and Criminal. Candidates who have passed the Entrance Examination under the previous existing rules are exempt from the first examina-

tion under this Act of Sederunt, and candidates who have passed the General Knowledge Examination, prescribed by the Act of Sederunt of 20th December, 1873, before 1st January, 1894, are exempted from further examination in General Knowledge, and candidates who have passed the examination in Law under the said Act of Sederunt are exempt from further examination in Law.

For Regulations as to Graduation in Law, see Index.

---

### LAW.

This Professorship is in the gift of the Crown. After being long in abeyance for want of revenue, it was revived by the College in 1712, and endowed by Queen Anne in the following year.

#### *Professors.*

1714. Wm. Forbes, Advocate.	1842. Allan A. Maconochie, Advocate.
1746. Wm. Cross, Advocate.	
1750. Hercules Lindsay, LL.D.	1855. Geo. Skene, Advocate.
1761. John Millar, Advocate.	1867. Robert Berry, M.A., LL.D., Advocate.
1801. R. Davidson, Advocate.	
1887. ALEXANDER MOODY STUART, LL.D., Advocate.	

1. SCOTS LAW.—The course extends to about 100 Lectures, embracing as full a course of Scots Law in each session as the time will permit, and including, so far as practicable, Lectures on the following subjects:—Sources and Development of the Law of Scotland; the Law of Contracts and Obligations generally, their Constitution and Extinction, Legality and Illegality; the Law of Sale, at Common Law and as affected by Statute; Stoppage *in transitu*; Retention and Lien; Loan; Deposit; Pledge; Hiring, and the Law of Master and Servant; Law of Carriers and Affreightment; Mandate; Partnership; Bills of Exchange; Cautionary Obligations; Marine, Fire, and Life Insurance; Law of Heritage; Servitudes; Prescription as applicable to Heritage; Law of Landlord and Tenant; Succession in Heritage and Moveables, Testate and Intestate; Marriage and Divorce, and the Rights of Husband and Wife; Law of Parent and Child; Guardian and Ward; Actions and Evidence; Diligence and Bankruptcy; Criminal Law, etc.

The text-books recommended to Students are Bell's *Principles of the Law of Scotland* and Erskine's *Principles of the Law of Scotland* (18th edition).

The Class meets five days a week—viz., every day except Monday, from 8 to 9 A.M. At intervals throughout the session the hour is devoted to the ordinary Class examinations, which are conducted in writing.

The Fees for the Class of Scots Law are £4 4s. for the first year of attendance, £2 2s. for the second, and £1 1s. for the third.

Three Prizes are given by the University for proficiency in the class examinations; and the "Robert Ross Prize," being the free annual income of a sum of £500 bequeathed by the late Robert Ross, Esq., writer, Glasgow, is awarded in equal portions to the head students of the year in this class and in the class of Conveyancing. Prizes are also given by the Faculty of Procurators, generally for distinction in a special written examination towards the end of the session.

2. CIVIL LAW.—In addition to the class of Scots Law, a class of Civil Law will be formed in alternate sessions. The class qualifies for Graduation in Arts and in Law.

The text-book recommended is Moyle's *Institutes of Justinian*.

The Fee for the Class is £4 4s.

It is proposed to form a class of Civil Law in session 1893-94.

---

### CONVEYANCING.

This Chair was instituted by ordinance of the Universities Commissioners (1858), of date 15th June, 1861, which was approved by Her Majesty in Council on 11th October, 1861. The right of appointment to the Chair is vested in the Dean and Council of the Faculty of Procurators, Glasgow.

#### *Professors.*

1862. Anderson Kirkwood, LL.D.

1867. Sir James Robertson, LL.D.

1889. JAMES MOIR, Member of the Faculty of  
Procurators, Glasgow.

The Course extends to about 100 Lectures, and during the session there are both oral and written examinations. As full a course of Conveyancing is given each session as the time permits. The subjects treated will be selected from the following list, viz.: (1) Introductory and Preliminary Lectures. (2) The Feudal and Burgage System, the constitution of Feudal

and Burgage Rights, and the transmission thereof by Deeds *inter vivos*, or by Judicial Acts. (3) Heritable Securities. (4) Leases. (5) Marriage Contracts, Bonds of Provision, Testamentary Deeds and Deeds of Entail. (6) The completion of Titles, in case of death, to Heritable and Moveable Estate.

The Class meets every day, except Monday, from 8 to 9 A.M.

The text-book recommended is Professor A. M. Bell's *Lectures on Conveyancing*.

Fees.—First year, £4 4s. ; second year, £2 2s.

Prizes are given for eminence in the Class examinations during the session. Prizes are also given by the Faculty of Procurators for distinction in a written examination held towards the end of the session on some of the subjects of the course; and the "Robert Ross Prize," being the free annual income of a sum of £500 bequeathed by the late Robert Ross, Esq., writer, Glasgow, is awarded in equal portions to the head students of the year in this class and in the class of Scots Law.

---

### MEDICAL JURISPRUDENCE.

This Professorship was created by the Crown in 1839.

#### *Professors.*

1839. Robert Cowan, M.D. | 1841. Harry Rainy, M.D.

1872. PIERCE ADOLPHUS SIMPSON, M.A. (Cantab.), M.D.

This Course qualifying for graduation in Law (B.L. and LL.B.), extends to upwards of 40 Lectures, and is chiefly devoted to the following medico-legal subjects—viz., Death; Changes after Death; Infanticide; Concealment of Pregnancy; Rape; Wounds; Identity; Presumption of Survivorship; General Evidence in Cases of Poisoning; Poisoning by Arsenic; Examination of Blood Stains; Legitimacy; Insanity. The foregoing are the subjects prescribed for examination in the department of Law. The Class will meet in alternate years on five days a week—viz., Tuesday, Wednesday, Thursday, Friday, and Saturday, at 8.45 A.M., commencing early in April. (*Text-book—Principles of Forensic Medicine* by Guy and Ferrier.)

Fee for the Course, £3 3s. The next Course will be given in 1895.

(See under Faculty of Medicine, p. 81.)

*PUBLIC LAW.*

This Lectureship was instituted by the University in 1878. It embraces the three subjects of Philosophy of Law, Public International Law, and Private International Law.

*Lecturer.*

1878. WILLIAM GALBRAITH MILLER, M.A., LL.B., Advocate.

## I. PHILOSOPHY OF LAW.

A half course on this subject will be given at the College at 5.30 P.M. on Mondays, Wednesdays, and Fridays.

The course is designed primarily to suit students who wish to graduate as M.A. (ordinary degree) in the department of Mental Philosophy, but it will also meet the demands of students who wish to study Law as a branch of General Education, as well as of those who desire to study General Jurisprudence before entering the Faculty of Law, and who propose to practise either as Advocate or Law Agent in Scotland or enter either branch of the profession in England.

The text-book for 1893-94 will be Professor Holland's *Jurisprudence* (5th Edition).

The lectures during this session will deal with the ordinary legal topics treated in the text-book, from the physical point of view, with special reference to the *de facto* principle of Professor Lorimer and the views of Mr. Herbert Spencer. Students who desire further information may obtain a syllabus of the lectures on application to the lecturer, 39 Albany Street, Edinburgh.

In future sessions Honours Classes may be formed if students offer.

Fee for the half course, £2 2s.

## II. PUBLIC LAW.

This Class for the present meets in alternate sessions, alternating with the Civil Law Class. It will not meet in session 1893-94.

The course qualifies for the degrees of LL.B., B.L., and M.A. (ordinary degree) in the department of History and Law.



It also meets the requirements of students qualifying for the Scottish or the English Bar or for the Diplomatic or the Consular Service.

The text-book used is Hall's *International Law* (3rd Edition). The lectures are partly Doctrinal, but chiefly Historical. Students may obtain a scheme of the Historical Lectures on application to the lecturer.

In future sessions Honours Classes may be formed for the study of special subjects or special periods of History.

Class Fee—First year, £3 3s. ; second year, £1 11s. 6d.

### III. PRIVATE INTERNATIONAL LAW.

Arrangements for the necessary course on this subject will be made after the new ordinance for graduation in Law is issued by the Universities Commissioners.

---

### CONSTITUTIONAL LAW AND HISTORY.

This Lectureship was instituted by the University in 1878.

#### *Lecturers.*

1878. Charles Scott Dickson, M.A., Advocate.

1878. Alexander Ure, M.A., LL.B., Advocate.

1889. ROBERT T. YOUNGER, M.A., LL.B., Advocate.

The Lectures will be partly Doctrinal and partly Historical. They will embrace chiefly the subjects discussed in the text-books prescribed for those who propose taking the degrees of B.L. and LL.B. The Doctrinal Lectures will deal with the law and custom of the Constitution at the present time. The Historical Lectures will cover the period from the Norman Conquest to the present reign. Examinations in writing on the Lectures and on subjects to be prescribed by the Lecturer, will take place at short intervals throughout the session.

The Class will meet in alternate years during the Summer Session in the Faculty Hall, St. George's Place, five days a week, viz. :—On Monday, Tuesday, Wednesday, Thursday, and Friday, at 5.20 P.M. Fee for the Course, £3 3s.

The Class will meet in the Summer Session of 1894.

## V.—FACULTY OF THEOLOGY.

The Faculty of Theology embraces the four classes of Divinity, Oriental Languages, Ecclesiastical History, and Divinity and Biblical Criticism.

The following regulations are applicable to students preparing for the ministry of the Church of Scotland. Under the Act of General Assembly, 1883, consolidating the Acts presently in force in regard to the study of Divinity, all candidates for the ministry are required to attend at the Divinity Hall either three full and regular Sessions, or two full and regular sessions and three partial sessions; and to give at least two full sessions of regular attendance on the Classes of Church History, Hebrew, and Biblical Criticism.

Each student, in order to be enrolled *for the first year* of his attendance must present to the Professor of Divinity, *first*, a certificate from the Presbytery within the bounds of which he usually resides, and by which he has been examined on his knowledge of the Holy Scriptures according to the authorized version, and of the Catechetical standards of the Church; and, *secondly*, a certificate signed by the Convener or Vice-Convener of one of the four Examining Committees appointed, under the Act of Assembly, 1872, to conduct the examination of students previous to their entering the Divinity Hall.<sup>1</sup> In order to be admitted to this examination he must produce, in addition to the certificate from the Presbytery recommending him, the diploma of a Master of Arts, or certificates from the several Professors under whom he has studied, that he has attended regularly all the classes prescribed by the Church for students who intend entering the Hall—viz., Latin, Greek, Logic, Mathematics, Moral Philosophy, Natural Philosophy, and English Literature, in such order as is prescribed at the University in which he has studied, and to the extent required for proceeding to the degree of Master of Arts. If he produces evidence that he holds the degree of Master of Arts, or that he has passed all the examinations required for taking that degree,

<sup>1</sup> The Examining Committees meet at the respective University seats shortly before the commencement of each session, the times and places of meeting being duly announced in the "Missionary Record" of the Church of Scotland for July annually, along with the names of the Conveners and Vice-Conveners of the respective Committees. The programme of the books and subjects of examination for Session 1893-94 will be found in the "Missionary Record" for April, 1893.

it is competent for the Examining Committee to exempt him from examination in those branches of Literature and Science proficiency in which is denoted by such a degree. The examination extends also to the *New Testament in Greek* and the *Elements of Hebrew Grammar*.

The student, in order to his enrolment *for each subsequent session* of his course, is required to present to the Professor of Divinity a certificate from the Presbytery within whose bounds he chiefly resides, of his having been examined by them on the progress made by him in his studies, and of their satisfaction with the same, as well as a certificate of his good moral character from the minister of his parish, or, during a vacancy in the parish, from the moderator of the kirk-session.

At the close of each session every student is required to take with him to the Presbytery certificates from the several Professors, under whom he has studied, of his good conduct and proficiency.

By Act XX. of the General Assembly, 1889, it is enacted—“That all students of Theology, who have completed the prescribed course of theological instruction, shall, before applying to any Presbytery to be taken on trial for licence, be examined by the Synodical Committee already existing for the examination of students entering the Divinity Hall—with such addition to the number of members of each of the said Examining Committees as the General Assembly shall determine—on the various subjects of theological study, leaving to Presbyteries the powers of examination for licence hitherto possessed and exercised by them; but providing that every candidate for licence by a Presbytery shall produce to the Presbytery a certificate from one of the said Examining Committees that his examination by them has been sustained; it being always competent to the said Examining Committee to exempt students who have taken the degree of Bachelor in Divinity at one of the Universities of Scotland from examination in those subjects of theological study, proficiency in which is denoted by the said Degree.”<sup>1</sup>

Students are required to study the art of public reading and speaking under some competent teacher approved by the Faculty

<sup>1</sup> The dates of examination and the subjects fixed by each Board will be intimated in the “Missionary Record” for December 1893.

of Theology,<sup>1</sup> during at least one hour a week in each of two sessions, the attendance extending in every case over at least sixteen weeks of the session, and to produce, before being taken on trials, due evidence of such attendance.

Each student is required during his curriculum to deliver *six* discourses—viz., an EXEGESIS in Latin on some controverted head in Divinity, a HOMILY in English, a CRITICAL EXERCISE on some portion of the original text of the Old Testament, an EXERCISE and ADDITION on some portion of the original text of the New Testament, a LECTURE on some portion of Scripture, and a POPULAR SERMON, with such other exercises as the Professors may think fit to prescribe. No student can be taken on trials for licence by any Presbytery until he has produced, along with Class Certificates from the Professors of Church History, Hebrew, and Biblical Criticism, a Certificate from the Professor of Divinity that the discourses so prescribed have been sustained.

The Faculty of Theology have adopted the following regulations as to the delivery of these discourses:—(1) That the Homily shall be given in to the Professor of Church History at such time as he shall appoint in the *first* session of the student's course; (2) that the Latin Exegesis shall be given in to the Professor of Divinity, and the Lecture to the Professor of Biblical Criticism, in the *second* year of the student's course, at such times as shall be appointed by these Professors respectively; and (3) that the Popular Sermon shall be given in to the Professor of Divinity, the Hebrew Critical Exercise to the Professor of Oriental Languages, and the Exercise and Addition to the Professor of Biblical Criticism, in the *third* session of the course, at such times as shall be appointed by the several Professors. The subjects of the Discourses will be prescribed by the Professors to whom they are severally to be given in.

---

### DIVINITY.

This Professorship was founded in 1640, and the foundation ratified in Parliament. The Professor is appointed by the University Court.

<sup>1</sup> For the purposes of the Act of Assembly, and to qualify for the competition for the Downhill Prizes, the following teachers are recognized:—Mr. G. W. Baynham, 43 Athole Gardens, Downhill; Mr. Henry Cooke, 38 Carnarvon Street; Mr. Thomas Harrower, 197 Pitt Street; Mr. William S. Vallance, 291 Sauchiehall Street; Mrs. Cunningham Craig, 11 Kersland Street, Hillhead; and Mr. John Forsyth, 104 Grove Street.

*Professors.*

1640-50. David Dickson.	1740. Michael Potter.
1642-61. Robert Baillie.	1744. William Leechman, D.D.
1653. John Young.	1761. Robert Trail, D.D.
1669. Gilbert Burnet, D.D.	1775. James Baillie, D.D.
1674. David Liddell.	1778. William Wight, D.D.
1682. Alexander Ross, D.D.	1782. Robert Findlay, D.D.
1688. James Wemyss, D.D.	1814. Stevenson Macgill, D.D.
1692. James Wodrow.	1840. Alexander Hill, D.D.
1708. John Simson.	1862. John Caird, D.D.

1873. WILLIAM PURDIE DICKSON, D.D., LL.D.

The Course of Theology extends over three sessions. The Lectures during next session will treat partly of Biblical Theology, partly of the History of Doctrine, and of Apologetics. A portion of time will be devoted to instruction in Systematic Theology on the basis of a text-book. Essays and Discourses are prescribed to the students. In addition to the oral examinations on the Lectures, examinations in writing on the studies of the Class will be held at intervals during the session.

The Class will meet on five days of the week, in two divisions, the Senior at 11 A.M. and the Junior at 12 o'clock. Fee for each session, Three Guineas.

---

*ORIENTAL LANGUAGES.*

This Professorship was founded by Queen Anne, 1709. The Professor is appointed by the University Court.

*Professors.*

1709. Charles Morthland.	1761. Robert Trail, D.D.
1745. Alexander Dunlop, M.A.	1761. Patrick Cumin, LL.D.
1751. William Rouet.	1814. Gavin Gibb, D.D.
1753. George Muirhead.	1831. William Fleming, D.D.
1755. John Anderson, M.A.	1839. George Grey, D.D.
1757. James Buchanan, M.A.	1850. Duncan H. Weir, D.D.

1877. JAMES ROBERTSON, D.D.

By Ordinance No. 11 of the Universities Commissioners (1889) "Hebrew" and "Arabic or Syriac" are now included among the departments of study for graduation in Arts, and "Semitic Languages" among those for graduation with Honours.



The existing regulations of the Church of Scotland require all students of Divinity to give attendance on Hebrew for two sessions. The following arrangements will, as far as circumstances permit, be carried out in Session 1893-94 :—

I.—*Junior Class (Hebrew)*, five days in the week at 10 A.M.  
(1) Davidson's *Introductory Hebrew Grammar*, with the Exercises ; (2) Readings from the easier books of Scripture

II.—*Senior Class (Hebrew)*, five days in the week at 9 A.M.,  
(1) Readings in the Hebrew Scriptures ; (2) Exercises in Unpointed Text and Translations from English ; (3) Study of the Syntax and the Accents ; (4) History of the Massoretic Text.

In each of these classes there will be daily oral examinations, weekly written exercises, and four written examinations during the session.

The Senior Hebrew is appointed as the qualifying class for graduation in Arts. Before attending the class for this purpose, students are required by the Ordinance No. 11, § IV., 3, to pass a preliminary examination in Hebrew "on a standard as nearly as possible equivalent to the higher standard of the languages included in the Preliminary Examination." Students presenting themselves for this examination will be expected to know as much as is implied in the work of the Junior Hebrew Class, and will be examined in grammar, and in translation both from Hebrew into English and from English into Hebrew.

III.—Divinity students who may be attending, or shall have attended the Senior Class, will have an opportunity of attending Lectures on Old Testament Introduction and Exegesis at separate hours, of which notice will be given at the commencement of the session.

IV.—If possible, a *Syriac Class* will meet on three days of the week. Particulars will be announced at the commencement of the session.

Class Fee, £3 3s.

---

### ECCLESIASTICAL HISTORY.

The Professorship of Ecclesiastical History was founded by George I., in the year 1716, but no appointment was made to the Chair till the year 1720. The Professor is appointed by the Crown.

By his Commission, the Professor of Ecclesiastical History is also TEACHER OF CIVIL HISTORY in the University.

*Professors.*

1721. William Anderson.	1807 <sup>1</sup> . William M'Turk, D.D.
1752. William Rouet.	1841. Jas. Seaton Reid, D.D.
1762. William Wight, D.D.	1851. Thos. T. Jackson, D.D.
1778. Hugh M'Leod, D.D.	1874. William Lee, D.D.
1886. ROBERT HERBERT STORY, D.D.	

The course extends over two sessions, and embraces a series of lectures as well as oral and written examinations. The junior and senior classes meet at separate hours, the junior from 11 to 12 o'clock, the senior from 12 to 1 o'clock.

Both classes are open to non-professional students. The fee for each session is Three Guineas.

---

*DIVINITY AND BIBLICAL CRITICISM.*

This Professorship was founded by ordinance of the Universities Commissioners (1858), of date 25th November, 1861. The Professor is appointed by the Crown.

*Professors.*

1863. William P. Dickson, D.D.  
1873. WILLIAM STEWART, D.D.

This Class will meet on five days of the week, at 10 A.M.

The course of lectures is arranged to extend over two sessions; and the Class should accordingly be attended in two *consecutive* years.

The lectures for 1893-94 will treat of the principles of Textual Criticism, and of some portions of New Testament Introduction.

The practical application of the principles of Criticism and Hermeneutics will be illustrated in Exegetical Lectures, and by the reading of portions of the Greek New Testament.

Essays on subjects suggested by the work of the Class are prescribed at intervals during the session, and the progress of the students is further tested by examinations, partly oral and partly written.

Fee for each session, Three Guineas.

<sup>1</sup> Dr. M'Turk was assistant and successor to Dr. M'Leod from 6th March, 1797.

*Class of New Testament Greek.*—This tutorial class is intended for those who are preparing to pass the examination on the *New Testament in Greek* previous to entering the Divinity Hall, and for those who, with a view to the Exit Examination at the close of the Divinity course, desire to extend their knowledge of New Testament Greek. It will be formed only if a sufficient number of students present themselves, and will meet on three days of the week, viz., Tuesday, Wednesday, and Thursday, at 9 A.M. Fee, Two Guineas.

#### IV.—DEMONSTRATORSHIPS, ETC.

##### THE ARNOTT AND THOMSON DEMONSTRATORSHIP IN EXPERIMENTAL PHYSICS.

This Demonstratorship was founded in 1875 by the liberality of Sir William Thomson and Mrs. Arnott, widow of Dr. Neil Arnott, founder of the Arnott Prizes, who invested respectively £2,000 and £1,000 for the purpose of encouraging the study of Experimental Physics in the University of Glasgow. The Demonstratorship is in connection with the Physical Laboratory of the University. The holder is appointed annually by the Professor of Natural Philosophy, subject to the approval of the University Court, and his duties are to perform, and direct in the performance of, experimental researches in the Physical Laboratory, in connection with, and under the direction of, the Professor of Natural Philosophy, to give practical laboratory courses suitable for Medical and Engineering students, and to take part in the teaching of the Natural Philosophy Class, if required by the Professor, and in such way and at such times as may be appointed by the Senatus Academicus of the University.

##### *Demonstrator.*

1875. JAMES THOMSON BOTTOMLEY, M.A., D.Sc., F.R.S.

##### THE MUIRHEAD DEMONSTRATORSHIP OF PHYSIOLOGY.

In January, 1877, the late Dr. Henry Muirhead, of Longdales, Bothwell Parish, and afterwards of Cambuslang, presented to the University the sum of £2,100, and in November, 1879, a further sum of £400 to endow a Demonstratorship of Physiology in connection with the Chair of Institutes of Medicine—the main object being the promotion of medical

science by the training of young men of suitable capacity to become teachers and investigators of Physiology. The regulations with reference to the appointment are as follows :—

1. That the title of the appointment be “The Muirhead Demonstrator of Physiology.”

2. That the holder of the office shall act as an assistant to the Professor of Institutes of Medicine in teaching the classes of Systematic and Practical Physiology and in original investigation.

3. That he shall also be expected and encouraged to engage in independent scientific investigation under the direction of the Professor.

4. That he will not be entitled to conduct any class on his own account without the consent of the Professor.

5. That the incumbent will be expected to devote his entire time to the duties of the appointment.

6. That the appointment be made annually by the Senatus Academicus, with the consent of the University Court, on the recommendation of the Professor of the Institutes of Medicine, who shall furnish evidence to the Senatus of the suitability of the person recommended by him.

*Present Demonstrator.*

WILLIAM SNODGRASS, M.A., M.B., C.M.

---

#### THE WILLIAM BAXTER DEMONSTRATORSHIP IN GEOLOGY.

This Demonstratorship was founded by the Trust Disposition and Settlement of Mr. William Baxter, Hillhead, Glasgow, who died on 20th November, 1888, and bequeathed to the Senate the sum of £2,500, free of legacy duty, the annual income of which, less the cost of management, he directed should be paid half-yearly to the Demonstrator on the joint certificate of the Clerk of Senate and the teacher of Geology for the time being. The Senate are the patrons of the Demonstratorship.

The following Regulations, drawn in terms of the Founder's will, were adopted by the Senate on 28th February, 1889 :—

1. The Demonstratorship shall be held for three years, and shall be open to the candidate who in the three years intervening between each appointment shall have passed the Degree of B.Sc. with honours, or, in the event of several candidates obtaining honours, to the candidate whose aggregate marks for the whole subjects of the said degree are the highest ; but in

the event of no candidate attaining to honours, the Senate may, if they see fit, award the Demonstratorship to the candidate who shall stand highest in the list, provided his average of marks over all the said subjects is not less than 70 per cent., but any candidate who fails to obtain at least 70 per cent. of marks in the Department of Geology shall *eo ipso* be disqualified to hold the Demonstratorship.

2. The three years' tenure of office shall be subject to the condition that the incumbent discharges the duties of the office to the satisfaction of the Senate, who have power "to deprive any Demonstrator of his stipend, or a part thereof, should they at any time become dissatisfied with his conduct or his ability to carry out the duties of his office, or with the character of his lectures, or for any other reason they may consider sufficient," the Demonstrator having the right of appeal to the University Court in the event of such deprivation.

3. The duties of the Demonstrator shall be :—

(1) To deliver two Courses of Lectures—twenty in the winter, twenty in the summer session—(a) on Mineralogy and Petralogy, or (b) on Palæontology, or (c) on Physical Geography. These Lectures to be accompanied by Demonstrations on specimens selected from the Hunterian collections with the consent of the Keeper.

(2) To give Field Demonstrations of Geology and Petralogy, under the direction of the Professor of Natural History (or of Geology when that Chair shall be founded).

(3) To carry on original work in any department of Geological Science which he may select, obtaining therein such assistance by specimens as the Keeper of the Museum shall find it in his power to give.

4. These Courses of Lectures may be attended (a) by matriculated students of Geology, free; (b) by any matriculated student not a member of the class of Geology, on payment to the Demonstrator of a fee of £1 ls. for each course, or such higher fee as the University Court may fix; (c) by any member of the Geological Society of Glasgow on payment of five shillings in lieu of matriculation fee for the winter or summer session, in addition to the authorized class fee.

5. In the event of no appointment being made, or of the Demonstrator resigning, retiring, or being deprived, the revenue accruing during the period of vacancy shall be added to the



capital, and the annual income thereof to the stipend payable to the Demonstrators.

The first appointment was made in April, 1889; the next in ordinary course should have been made in April, 1892, on the results of the examinations for B.Sc., held between May, 1889, and April, 1892, but the only eligible candidate could not accept appointment in consequence of his having received another appointment.

*Demonstrator—*

---

#### GIFFORD LECTURESHIP ON NATURAL THEOLOGY.

This Lectureship, as well as similar Lectureships in the other Scottish Universities, was founded in 1887 in accordance with the Trust Disposition and Settlement of the late Adam Gifford, sometime one of the Senators of the College of Justice, Scotland. Lord Gifford directed his Trustees to pay over to the Senatus Academicus of the University of Glasgow the sum of Twenty Thousand Pounds for the purpose of establishing a Lectureship or Popular Chair for promoting, advancing, and diffusing the study of Natural Theology, in the widest sense of that term—in other words, “the Knowledge of God, the Infinite, the All, the First and Only Cause, the One and the Sole Substance, the Sole Being, the Sole Reality, and the Sole Existence, the Knowledge of his Nature and Attributes, the Knowledge of the Relations which men and the whole universe bear to Him, the Knowledge of the Nature and Foundation of Ethics or Morals, and of all Obligations and Duties thence arising.” The Senate are the Patrons. The Lecturer is appointed for a period of two years and no longer, but the same Lecturer may be reappointed for other two periods of two years each, provided that no one person shall hold the office of Lecturer in this University for more than six years in all. The Lecturer is subjected to no test of any kind, and he is not required to take any oath, or to emit or subscribe any declaration of belief, or to make any promise of any kind. The Founder expressed a wish that the subject should be treated as a strictly natural science, like astronomy or chemistry. Matriculated Students and others may attend the Lectures.

1888. Professor Max Müller.

1892. Principal Caird, D.D., LL.D.

1893. Professor WILLIAM WALLACE, M.A.

## GERMAN LITERATURE.

Permission has been granted by the University Court to Dr. Alexander Tille to deliver in session 1893-94 two Courses of Lectures on German Literature, both in English.

The first course will comprehend fifty lectures, and will treat of New-High-German (Modern German) Grammar on a historical and comparative basis. The class will meet on Mondays, Wednesdays, and Fridays at 3 P.M., beginning on 30th October. Fee, £2.

The second course, extending to ten lectures, will be devoted to an introduction to and explanation of Goethe's *Faust*. It will be delivered on Wednesdays at 8 P.M., from 17th January, 1894. Fee, 10s. Text-book, Goethe's *Faust* (in German).

Non-matriculated students may attend either or both of the courses on payment of a University Fee of Five Shillings in addition to the authorized class fee.

## V.—WOMEN'S DEPARTMENT.

## QUEEN MARGARET COLLEGE.

In February, 1892, the Universities Commissioners issued an Ordinance (No. 18), empowering the Scottish University Courts to make provision within the Universities for the instruction of women, either by admitting them to the ordinary classes, or by instituting separate classes for their instruction. The Council of Queen Margaret College having considered the provisions of this Ordinance, came to the conclusion that the purpose for which the College had been instituted would be best served by making over their work to the University of Glasgow. They, accordingly, with the concurrence of Mrs. Elder, the proprietrix of the buildings and grounds hitherto occupied by the College, offered to transfer to the University Court these buildings and grounds, and the endowments (present and prospective), on condition that these should be devoted to the establishment and maintenance of University Classes for women exclusively. The University Court, after consultation with the Senate, having resolved to exercise the power

conferred by Ordinance No. 18, and to provide University instruction for women mainly by the institution of separate classes, agreed to accept the offer made by Queen Margaret College, and remitted to a Committee to take the necessary steps for completing the transfer. In virtue of this arrangement the teachers in Queen Margaret College were appointed by the University Court, and the students in Session 1892-93 were admitted matriculated students of the University. For information regarding the classes in Arts and Medicine, time-tables, reading-room, etc., see separate Calendar.

---

## VI.—LIBRARIES, MUSEUM, BOTANIC GARDEN.

### UNIVERSITY LIBRARY.

The University Library was founded in the fifteenth century. It contains an extensive and valuable collection of books. The Library is under the management of a Committee appointed annually from the members of Senate. The Librarian is elected by the Senate.

The Library is always increasing by donations and by a grant of £707 per annum, formerly paid by the Treasury, as compensation for the loss of the Stationers' Hall privilege, and now received from the University Court.

During recent years the Library has acquired several valuable collections. Amongst these the most important are the following :—

The Collection bequeathed to the University by the late W. EUING, ESQ., amounting to about 15,000 volumes. It contains many books printed in the fifteenth and sixteenth centuries, illustrated books, English literature, Classics, above 2,000 Bibles, and a very large number of Psalm and Hymn books.

The Library of the late SIR WILLIAM HAMILTON, Professor of Logic in the University of Edinburgh, amounting to about 8,000 volumes. This Collection, which consists principally of Classics, editions of Aristotle, and treatises on Logic and Metaphysics, was purchased by private subscription and presented to the University. A list of the Subscribers was inserted in the Calendar for 1879-80.

The WALKER-ARNOTT Botanical Library of 970 volumes.

The Musical Library of the late THOMAS L. STILLIE, Esq., numbering 760 volumes. It contains the works of the chief composers, many of them in score, and an extensive series of modern operatic compositions, continental and English.

The collection of books on Palestine, which belonged to the late DR. A. B. M'GRIGOR, consisting of 655 volumes of works, illustrating the natural and civil history, topography, and antiquities of Jerusalem and the Holy Land. This collection was presented along with 83 volumes, containing about 1,000 pamphlets, by Alexander M'Grigor, Esq.

The works on Mining belonging to the late ALEX. MACDONALD, Esq., M.P.; works on Engineering from the libraries of the late Professors LEWIS GORDON and MACQUORN RANKINE; works on Oriental literature from the library of the late Professor WEIR; a large collection of medical works, theses, and pamphlets, from the late Professor ALLEN THOMSON; 800 volumes of general literature from the library of the late F. A. ECK, Esq.; over 1,000 volumes—selected from the library of the late JAMES HOTSON, Merchant—presented by DR. THOMAS REID; and numerous works of reference for the Reading Room from the late DR. A. B. M'GRIGOR.

Wall or table cases were given by William S. Dixon, Esq. (1); William Euing, Esq. (1); Professor Rainy, M.D. (1); Professor Sir James Roberton, LL.D. (2); and Alex. White-law, Esq., M.P. (2).

The following are the principal regulations relative to the use of the Library by the various classes of readers:—

Each Member of the Senatus Academicus is entitled to have in his possession at one time twenty-five volumes, but not more.

Retired Principals and Professors are entitled to have in their possession at one time ten volumes, but not more.

Any Assistant to a Professor, or Examiner for Degrees, to whom the Senatus Academicus shall think it expedient to grant the privileges of the Library, is entitled to have in his possession at one time ten volumes, but not more.

Each Member of the General Council is entitled, in each year in which he shall have paid a subscription to the Library of Ten Shillings and Sixpence, to have in his possession at one time four volumes, but not more. The annual subscription may be compounded for by a single payment of Five Guineas. In the case of a Member of the General Council, the year commences at 15th October.

Every person in each of the foregoing classes is entitled to retain each book for one month from the date of borrowing during the Winter Session, and for two months from the date of borrowing during Summer, and is further, after the expiration of such period, entitled to retain each book until the annual period of inspection, unless notice shall be received from the Librarian requiring the return of such book.

Every Matriculated Student enrolled in a Class is entitled, on lodging with the Librarian a deposit of One Pound, to have in his possession three volumes (in Summer, four volumes) at one time, and to retain any book for two weeks (in Summer, four weeks) from the date of borrowing; and further, to re-borrow any book for successive periods of two weeks (in Summer, four weeks), unless application for it shall, in the meantime, have been made by another person entitled to the use of the Library.

No reader is entitled to borrow books in more than one capacity, *e.g.*, as a Student and as a Member of the General Council.

If any book, by whomsoever borrowed, be not returned within three days after notice shall be sent by the Librarian requiring the return of such book, a penalty of One Shilling a volume is incurred, and a further penalty of Sixpence a volume for each day so long as the book is not returned, until the full amount of the fine shall exceed the sum for which the book can be replaced in the Library.

The Librarian is entitled to have in his possession at one time ten volumes, but not more; and any Assistant-Librarian, to whom the Senatus Academicus shall think it expedient to grant the privilege of the Library, shall be entitled to have in his possession at one time four volumes, but not more; provided always that all books borrowed by the Librarian or by any such Assistant-Librarian as aforesaid shall be duly and regularly entered in the ordinary Record of the Library as being borrowed, in the same manner as books borrowed by other persons.

The Senatus Academicus may grant the use of the Library to such extent, and on such conditions as they shall think expedient, to persons for purposes of literary research, and that whether such persons shall be members of the University or not; provided always that no such privilege shall in any case be granted except by Minute of the Senatus specifying the grounds on which the grant is made, and the conditions which have been attached thereto, an extract of which Minute shall be forthwith transmitted to the University Court; provided also that all such persons shall pay a Subscription to the Library of Ten Shillings and Sixpence for the current year.

All grants of the use of the Library made by the Senatus Academicus, in pursuance of the preceding section, shall terminate at the annual period of inspection of the Library, but shall be renewable under like conditions, if again applied for on the expiration of that period.

Books belonging to the Library must not be privately transferred from one reader to another; and must not be lent to Graduates or Students who are not readers.



The Librarian is strictly forbidden to send books by a public conveyance, or do more than deliver books over the counter to a person properly authorized to receive them; and he is empowered, if he think fit, to decline to give out books to any one other than the reader applying in person.

The following classes of books are not given out except on an order signed by three members of Committee:—Manuscripts, Specimens of early typography, Works containing valuable engravings, Dictionaries and other works of reference (unless there is a duplicate in the Library), Maps of a larger size than 20 inches in height and breadth, loose Maps, unbound Music, Works with loose plates or loose letterpress, Rare Books, or Books in any way difficult to replace, Pamphlets, stitched Parts of large works, or Books not sufficiently protected by the binding.

A general inspection of the Library, and of the Record of the borrowing and returning of the books, takes place annually in April, beginning with the 15th and ending with the 22nd.

During the period of the annual inspection, the Library is closed, and all works whatsoever, and by whomsoever borrowed, must be returned to the Library before the commencement of such period, under a penalty of not less than One Shilling a volume; and in the event of any volume not being returned before the expiration of one week after the last day of the inspection, the fine is repeated weekly, until such volume is returned, or until a copy of the work of the same edition, and of equal value, shall at the expense of the borrower be placed in the Library in its stead.

So long as any person shall remain in possession of a book which he is not entitled to retain, or shall allow any fine incurred by him to remain unpaid, the right of such person to borrow or retain any books whatsoever, or to exercise any of the privileges of the Library, is suspended, and remains in abeyance.

Each person returning a book to the Library must see that the book is marked as returned opposite the corresponding entry in the Receipt Book. For every borrower is liable to replace any volume entered in the Receipt Book in his name and not so marked as returned.

The Librarian is instructed forthwith to report to the Library Committee all cases in which he shall find that books have been mutilated, disfigured by writing on the margin, or otherwise injured while in the possession of readers; and persons guilty of such offences shall be liable to replace the injured books, and shall be fined or suspended from the privileges of the Library at the discretion of the Committee.

All readers borrowing books from the Library must obtain them from, and return them to, the Assistant-Librarians in the ante-room on the days and during the hours when the Library is open.

Persons other than students who wish to consult books in the Library will be accommodated in the First Bay of the Lower Hall. Each person must enter his name and address, and the title of the work or works which he desires to consult in a book kept for that purpose.

Visitors on giving their names will be conducted over the Library by an attendant. They are not permitted to enter the Reading-Room during the hours when it is open to students.

No person, except Members of Senate, shall otherwise be admitted to the interior of the Library without the special permission of the Curator or Librarian.

All persons, whether readers or visitors, are strictly prohibited from entering the Bays, or taking the books from their places on the shelves.

The Library is open for giving out and receiving back books every lawful day during the Winter Session, from 11 A.M. till 2.30 P.M., except the Christmas and other Holidays specially appointed by the University, when it remains closed, and on Saturdays, when it is open from 11 A.M. till 1 P.M. During the Summer it is open on Mondays, Wednesdays, and Fridays, from 11.30 A.M. till 2 P.M.

---

### *CATALOGUES.*

An Author and Subject Index containing the chief books likely to be interesting or useful to Students, and forming a fairly complete guide to the accessions in English of the last twenty years, may be purchased by readers in the Library at the price of One Shilling.

Students and Graduates who are engaged in special research will, on application to the Librarian, have access to the Classified Catalogues, which include also the older literature and works in foreign languages. These Catalogues have been arranged by Professor Dickson, Curator of the Library, and the expenses incurred by him in connection with their preparation have been defrayed by the late Dr. A. B. M'Grigor.

---

### *READING-ROOM.*

In connection with the Library, a Reading-Room, provided with a special collection of books of reference for the use of Matriculated Students, is open for readers, Saturdays and holidays excepted, during the Winter Session from 9 A.M. till 3 P.M., and during the Summer Session from 9 A.M. till 2 P.M.

The Room is primarily intended for readers consulting the books of the Special Collection; but so far as the accommodation will allow, students may make use of it for individual private study. The following are the principal rules applicable to the Room :—

Every Matriculated Student, who shall at the beginning of the Session or thereafter record (in a book kept by the Librarian) his desire to use the Reading-Room in accordance with the rules for consulting of books or private study, will receive a voucher entitling him to admission. No student will be admitted to the use of the Room without producing his voucher.

Every such student shall on entering apply for a tally entitling him to a seat, shall use it only for the table indicated thereon, and shall personally return it to the Assistant in charge. All readers are required to take at once the seats assigned to them, to abstain from talking, whispering, or any other form of distracting or disturbing others, and to enter and leave the room (and vestibule) with as little noise as possible. Readers shall exhibit their tallies when asked; and shall at once give their names and matriculation numbers, if they shall be requested to do so.

Each student, desirous of borrowing books from the Special Collection in the Vestibule, is required to fill up one of the receipt papers with his name, matriculation number, and the title of the book or books wanted, and to present it to the Assistant-Librarian in charge. Students are not permitted to have the use of more than two volumes at one time. The books received are to be used only in the Reading-Room, and are to be returned by the receiver himself into the hands of the Assistant-Librarian. The return of books by those who have to leave the room at the end of any hour is to be made not later than five minutes before that time, and during that interval no books will be given out.

Books of reference not included in the Special Collection, but contained in the General Library, may be obtained for consultation in the Reading-Room on presenting a paper with the name and matriculation number of the reader making the request, and the title of the book wanted, to the Assistant-Librarian in the Vestibule.

The Assistant-Librarian in charge is instructed to report at once to the Library Committee the name of any student transgressing the rules.

N.B.—The south corridors have been enclosed and provided with benches for the use of *other* students in the intervals of their classes.

---

### *Donations to the University Library.*

List of Donations from 1st March, 1892, to 28th February, 1893:—

- Académie des Sciences de Cracovie.—Bulletin internationale. 1892.  
 Accademia dei Lincei, Roma.—Atti. Serie 4<sup>a</sup>. Memorie. Classe di scienze fisiche. VI. 1889. Classe di scienze morali. VI. 1, VII. 1, VIII., IX. 2.—Serie 5<sup>a</sup>. Rendiconti. Classe di scienze fisiche. I. 1892. Classe di scienze morali. I. 1892.  
 Accademia delle Scienze fisiche e matematiche di Napoli.—Rendiconto. Serie 2<sup>a</sup>. VI.—Atti. Serie 2<sup>a</sup>. V.  
 Accademia Pontaniana.—Atti. XXII. 1892.—Annuario pel 1893.

- The Admiralty.—Report of the health of the Navy. 1891.  
 Agent General for Victoria.—Statistical register for the Colony of Victoria. 1890.  
 Asiatic Society of Bengal.—Bibliotheca Indica. New Series. Nos. 806-820, 822.—Catalogue of the Persian books and MSS. in the library. 1, 2.  
 Australasian Association for the Advancement of Science.—Report of the third meeting. 1891.  
 Berwickshire Naturalist Club.—Proceedings. XIII. 1.  
 Biblioteca Nazionale Centrale di Firenze.—Bollettino delle pubblicazioni italiane. 147-170.  
 Biblioteca Nazionale Centrale di Roma.—Bollettino delle opere moderne straniere. VII. 1892.  
 Board of Faculties, Oxford.—Turrell, Operative treatment of bronchocele. 1892.  
 Calendars have been received from the following institutions:—Aberdeen University; Belfast Queen's College; Bombay University; Bradford Technical College; Brown University, U.S.; Calcutta University; California University; Canterbury College, New Zealand; Cape of Good Hope University; College of Preceptors, London; College of New Jersey; Cornell University; Dalhousie University, Halifax; Durham University; Durham School of Science; Edinburgh University; Glasgow and West of Glasgow Technical College; Imperial University, Tōkyō; Johns Hopkins University; Kolosvar University; M'Gill University, Montreal; Mason Science College, Birmingham; Massachusetts Institute of Technology; Melbourne University; Owens College, Manchester; Padua University; Panjab University; Pharmaceutical Society; Presbyterian College, Halifax; Queen's University, Kingston; Queen's College, Birmingham; Royal College of Surgeons of England; Royal University of Ireland; St. Petersburg University; Sydney University; Toronto University; Trinity College, London; Turin University; University of Norway; University College, Bristol; University College, Dundee; University College, Liverpool; University College, London; University College of North Wales; University College, Nottingham; University College of Wales; Utrecht University; Vermont University; Vienna University; Victoria University, Manchester; Yale University; Yorkshire College, Leeds.  
 Cambridge Philosophical Society.—Transactions. XV. 3.—Proceedings. VII. 6.  
 Canadian Institute.—Transactions. Nos. 4, 5.—Fleming, Appeal to the Institute on the rectification of Parliament. 1892.—Archæological report for 1891.  
 C. M. Aikman, M.A., B.Sc.—The nitrate fields of Chile. 1892. Farmyard manure.—Poems from the German. 1892.  
 Chemical Society.—Journal. Nos. 352-363.—Abstract of proceedings. 108-120.  
 Cincinnati Chamber of Commerce.—Forty-third annual report.  
 Clinical Society of London.—Transactions. XXV.  
 Cornell University.—Bulletin. Nos. 30, 31.—Exercises at the opening of the Library building. 1891.  
 Department of Science and Art.—Solar Physics Committee. Measures of sun spots and facule. 1878-81.—Prospectus of College of Science, 1892-93.—Catalogue of the Percy Collection of metallurgy. 1892.—Thirtieth report, 1892.—Directory, 1892.—Art examination papers. 2nd and 3rd grades. 1892.—Science examination papers. 1892.—Directory of the College of Science for Ireland for 1892-93.—Prospectus of the Whitworth scholarships. 1892.—Calendar, history etc. 1893.—Experiments in sound, light, heat etc. 1893.  
 Fishery Board for Scotland.—Tenth annual report.



- General Assembly of the Church of Scotland.—Reports on the schemes. 1892.
- Geological and Natural History Survey of Canada.—Catalogue of Canadian plants. 6.—Contributions to Canadian micro-paleontology. 4.—Annual report, 1888-89. With 12 sheets of maps.
- Government of Netherlands India. Observations made at the Batavia Observatory. XIII. 1890.—Rainfall in the East Indian Archipelago. 1890.
- Governor of Bombay.—Bombay magnetical observations. 1890.—24th report of the Sanitary Commissioners of the N.W. Provinces and Oudh. 1892.—Report on vaccination for 1891-92.
- Harvard University.—Bulletin. Nos. 52-54.
- Imperial University, Tōkyō.—Journal of the College of Science. V. 1, 2. —Mittheilungen aus der medicinischen Facultät. I. 5.
- Institute of Brewing.—Transactions. VI. 1-4. 1892-93.
- Institution of Civil Engineers.—Minutes of proceedings. CVII-CX. 1891-92.—Subject index. LIX-CX.
- Institution of Naval Architects.—Transactions. XXXIII. 1892.
- James Finlayson, M.D.—Hippocrates: Galen: Celsus. Bibliographical demonstrations. 1891-92.—The medical chronicle. XV.
- James Murray's Asylum, Perth.—Excelsior. Nos. 6-9.—Sixty-fifth report.
- James B. Russell, M.D., LL.D.—Report on an outbreak of scarlet fever in Glasgow in 1892.
- James Paton, F.L.S.—Catalogue of pictures in Corporation galleries. 1892.
- Johns Hopkins University.—University circulars. 95-100.—Annual report, 1891.—Woodburn, Higher education in Indiana. 1891.—University studies. 9th Series. Nos. IX.-XII. 10th Series. No. I.—Thomas, Catalogue of prehistoric works east of the Rocky mountains. 1891.—Dorsey, Omaha and Ponka letters. 1891. Fourteen dissertations. 1891.
- Lloyds Register of Shipping.—Lloyds register from 1st July 1892 to 30th June 1893. 2 vols.—Rules and regulations, 1892-93.
- Local Government Board.—Report of the Medical Officer for 1890.
- Lords of H. M. Treasury.—Register of the Great seal of Scotland. 1609-1620.—General index to Journals of the House of Lords. 1854-1863.—Journals of the House of Lords. 123.—Journals of the House of Commons. 146.—Acts of Parliament: Public, Local, Private. 1892.
- Manchester Literary and Philosophical Society.—Memoirs and proceedings. V., VI.
- Middlesex Hospital.—Reports for the year 1891.
- Mineralogical Society.—Mineralogical magazine. No. 45.
- Periodicals per Prof. Dickson, D.D.—Nineteenth century. Nos. 176-180.
- Pharmaceutical Society.—Journal. 1892.
- Physical Society of London.—Proceedings. XI. 3, 4.
- Professor Dickson, D.D.—Home work etc. of the Church of Scotland. 1870.—Proceedings in the Assembly of 1874.—Rawlinson, Moses; his life and times. 1887.—Kapff, Gebet-Buch. 1841.—Destruction of Troy. 2 parts. 1869-74.—Report on education in Scotland. 1885-86.—Third report of Endowed Schools Commission.—Ramsay, Should women study the Classics: and 40 other pamphlets.—Fusion of the legal profession in Scotland. 1892.—Examination papers. 3 vols.
- Professor Jack, LL.D.—Proceedings of the London Mathematical Society. Nos. 372-376, 381-420, 430-432, 440-444.
- Professor M'Kendrick, M.D.—Wright, Chahta leksikon. 1880.—Liang-iu siang lun: and 9 others in Chinese.—Bouloumié, Traitement du diabète: and 78 other pamphlets.—Archivis per le scienze mediche. II., III.—Porter, Elements of intellectual science: and 43 other volumes.



- Prof. Lord Kelvin, LL.D.—Forty-three volumes and 128 parts of volumes of scientific periodicals.
- Professor John Young, M.D.—Geological chronology: an address. 1892.—On the late Sir Andrew Ramsay. 1892.
- Public Library and Museums of Victoria.—Catalogue of newspapers, magazines, reviews. 1891.—Report of the Trustees for 1891.—Macdonald, South Sea languages. I., II.
- The Publisher.—Canadian gazette. Nos. 465-516.
- The Publishers.—Industries: a journal of engineering, electricity, and chemistry. Nos. 296-347.
- Radcliffe Library, Oxford.—Catalogue of books added during 1891.
- Regality Club.—Regality Club papers. 2nd Series. III.
- Royal Academy of Medicine in Ireland.—Transactions. IX. 1891, X. 1892.
- Royal Astronomical Society.—Monthly notices. LII.—Memoirs. L.
- Royal Irish Academy.—Transactions. XXIX. 18, 19. XXX. 1-4.—Cunningham memoirs. VII.—Proceedings. 3rd Series. II. 2, 3.—Todd lecture series. III., IV.
- Royal Physical Society of Edinburgh.—Proceedings. XI. 3.
- Royal Scottish Academy. Sixty-fifth annual report. 1892.
- Royal Scottish Society of Arts.—Transactions. XIII. 2.
- Royal Society of Canada.—Proceedings and transactions for 1891.
- Royal Society of Edinburgh.—Transactions. XXXVI. 2, 3.—Proceedings. XVIII. 1890-91.
- Royal Society of New South Wales.—Journal and proceedings. XXIV. 3, 4. XXV. 1.
- Royal Society of Victoria.—Transactions. II. 2.—Proceedings. IV. 1.
- Secretary of State for India.—Rea, Ancient monuments in the Madras Presidency.—Hultsch, South Indian inscriptions. II. 1.—Oliver, Across the border. 1890.—Forrest, Administration of Warren Hastings. 1892.—Report of Sanitary Commissioner for India, 1890.—Archæological survey reports of the N.W. Provinces and Oudh. 1892.—Curzon, Persia and the Persian question. 2 vols. 1892.—Epigraphia Indica. IX. 1892.—Steingass, Persian-English dictionary.—Sacred books of the East. XXX., XXXII., XXXVII. 1892.—The Mahabharata, translated into English prose. Parts 62 to 76.—Epigraphia Indica. Parts X., XI.
- Smithsonian Institution.—National Museum report, 1889.—National Museum bulletin. Nos. 41, 42.—Pilling, Bibliography of the Algonquian languages, 1891.—Smithsonian report, 1890.—Goode, Museums of the future. 1891.—Contributions to knowledge. XXVIII.—Report of the American Historical Association for 1890.
- Society of Antiquaries of Scotland.—Proceedings. 3rd Series. I. 1890-91.—Index I-XXIV.
- Society of Chemical Industry.—Journal. XI. 1892.
- Society of Public Analysts.—The Analyst. XVII. 1892.
- Specola Vaticana, Roma.—Pubblicazioni della Specola Vaticana. II.
- Surgeon-General's Office, U.S. Army.—Report for 1891-92.—Index catalogue of the Library. XIII.
- Thomas Reid, M.D.—Brockhaus, Konversations Lexikon. 14<sup>te</sup> Auflage. I-V.—Topinard, Anthropology. New edition. 1890. Heinrich, Histoire de la littérature allemande. 3 tomes. 1891.
- Trustees of the Australian Museum.—Records. II. 2, 3.—Report for 1890 and 1891. Catalogue of the marine shells of Australia. 1, 2.
- Trustees of the British Museum.—Lane-Pool, Catalogue of Arabic glass weights. 1891.—Catalogue of birds. XVI., XVII., XX.—Catalogue of prints and drawings. IV.—Catalogue of German Flemish prints. 2 vols.—Introduction to catalogue of early Italian prints.—Head, Coins of the

- ancients. 3rd edition. 1889.—Gardner, Coins of the Greek and Scythic kings.—Hawkins, Medallie illustrations of British history. 2 vols.—*Catalogus codicum Orientalium*. III.—Ancient Greek inscriptions. II., III.—List of bibliographical works. 2nd edition.—Catalogue of Greek coins. Ionia: Mysia: Alexandria. 3 vols. 1892.—Catalogue of Greek sculpture. I. 1892.—Catalogue of Marathi and Gujarati books. 1892.  
 U.S. Coast and Geodetic Survey.—Report for the year 1889-90.  
 Université de Lyons.—Bulletin des travaux. V. 7-9; VI. 1, 2.  
 University of the State of New York.—N.Y. State Museum report for 1890.—N.Y. State bulletin. No. 1.—University extension bulletin. 1-4. 1891-92.—State Library bulletin. Legislation. 3.  
 War Office.—Army medical department report for 1890.  
 Yale University Observatory.—Report for the year 1891-92.—Transactions. I. 3, 4. 1893.  
 Royal College of Physicians of England.—List of fellows, members etc. 1893.  
 Technische Hochschule zu Aachen.—Heinzerling, Das Vermittelungs-Gesetz. 1893.  
 Prof. W. J. Ashley, M.A.—On the study of economic history. 1893.  
 John S. Mackenzie, M.A.—A manual of ethics. 1893.  
 The Author.—Book of Job and Song of Solomon in English metre. 1890.  
 Prof. J. C. Ewart, M.D.—Electrical and lateral sense organs of elasmobranchs. 1893.  
 George A. Gibson, M.A.—Lampe, Mathematik und die Ausbreitung der Kultur. 1893.  
 Glasgow Archæological Society.—Report for 1890-91 and 1891-92.  
 Howard Association.—Report, 1891.—Tallack, The inward light etc. international Congregational Council—Record of proceedings. 1891. 2nd edition.  
 Messrs. John Wright & Co., Bristol.—The medical annual. 1892.  
 Prof. L. Anspach, Bruxelles.—Le rôle de l'eau dans les cylindres à vapeur. 1892.  
 Clapham Public Library.—Fourth report.  
 Prof. F. Max Müller, K.M.—Physical religion. 1891.—Natural religion. 1889.—Anthropological religion. 1892.—Rig-Veda Samhita. III., IV.  
 Mr. Alex. A. Cuthbert.—Review of the times. In Chinese. 31 Nos.—Chinese boy's own. 20 Nos.—Williamson, Literati of China.  
 Lieut.-Governor of Bengal.—Annals of the Botanic Garden, Calcutta. III.—Notices of Sanskrit manuscripts. X. 2.  
 Manchester Museum, Owens College.—General guide.—Classification of the animal kingdom.—Catalogue of the embryological models.  
 Charles Henry Schaible, Ph.D., M.D.—The state and education. 1884.  
 James Macdonald, LL.D.—Is Burghead, the winged camp of Ptolemy? 1892.  
 Liverpool Free Public Library.—Thirty-ninth report. 1891.  
 Mr. James L. Galbraith.—Giddins, Edwin Paxton Hood, poet and preacher. 1886.—The gospel of the Kingdom. 1892.—Boldrewood, Robbery under arms. 1891.—Letters of Edward Dennison, M.P.—Moorhouse, Teaching of Christ.—Greenwell, Liber humanitatis.—Dods, Isaac, Jacob and Joseph. 1881.—Dods, Parables of our Lord. 1886.—Dwight, The Hebrew wife.—Cox, Salvator Mundi. 1890.—Rutherford, First Greek grammar. 1891.—Arnold's First Greek book. Edited by Morice. 1883.  
 Johns Hopkins Hospital.—Bulletin. Nos. 19-27.—Statistical tables for 1891-92.  
 Medical Faculty of the State of Maryland.—Transactions. 1891.  
 Rev. William Evans, M.A.—Cofiant William Evans, Tonyrefail. 1892.

- University of Nebraska.—Agricultural experiment station. Bulletin. No. 21.—Fifth report. 1891.
- Professor Bower, D.Sc.—The Scottish naturalist. Nos. 7-34.—Coldstream, Grasses of the Southern Punjab. 1889.—Milde, Laubmoos-Flora von Nord und Mittel Deutschland. 1869.
- The Marquess of Lothian.—The genus *Mas-devallia*. Parts I., II. 1890-91.
- John C. M'Vail, M.D.—Report of the Medical Officer to Dumbarton County Council. 1891.—Report of the Medical Officer to Stirling County Council. 1891.
- David Murray, LL.D.—John de Burdeus and the pestilence. 1891.—The spoliation of the Hunterian Museum. 1892.
- Lord Gifford's Trustees.—Recollections of a brother: Lord Gifford. 1891.
- Stirling's and Glasgow Public Library.—Report of centenary meeting, 1891.—Report for 1891-92.—Supplementary catalogue, 1889-92.
- Mr. W. Tidd Matson.—Vindication of the Rev. John Logan.
- The City Chamberlain.—City of Glasgow municipal and parochial accounts.
- U.S. Department of Agriculture.—Illustrations of North American grasses. I. 1891.
- San Francisco Mercantile Library.—Thirty-ninth annual report. 1891.
- Geological Survey of India.—Records. XXV.—Palæontologica Indica. Index to 1891.—Contents and index to the Memoirs. 1859-83.
- Modern Church Publishing Co.—The modern church. I.
- Mr. William Macdonald.—Howie, History of the 1st Lanark rifle volunteers. 1887.
- The Hibbert Trustees.—The Hibbert Lectures, 1891.
- Mr. John C. Smith, Brooklyn, N.Y.—Questions in mathematics. 1889.
- George Fleming, C.B., LL.D.—Neumann, Parasites and parasitic diseases of domesticated animals. 1892.
- Mr. James Murphy.—Ruisch, Thesaurus animalium primus. 1710.—Ruisch, Thesaurus anatomicus. VI.-X. 1705-16.—Conciones et orationes ex historicis Latinis excerptæ. 1649.—Corvini, Jurisprudentia Romana H. Vultei contracta. 1658.
- St. Louis Mercantile Library.—Catalogue of English prose fiction. 1892.
- Yale University, U.S.—Report of the President for 1891.—Dwight, Noah Porter, D.D. An address. 1892.—Catalogue of graduates, 1701-1892.
- Sir William Muir, K.C.S.I.—The Caliphate: its rise, decline and fall. 1892.
- Seismological Society of Japan.—Transactions. XVI.
- Mr. Charles H. Waterhouse.—A talk on religion.—Insignia vitæ.
- Mr. J. O. Mitchell.—The Stevens of Bellahouston. 1892.
- Lewis F. Mott, M.S.—Dante and Beatrice.
- Rev. F. Bashforth, B.A.—Description of a machine for finding the numerical roots of equations.
- Mr. Ernest A. Robinson.—The mite. 2nd edition. 1891.
- L. Fletcher, M.A., F.R.S.—The optical indicatrix. 1892.
- Dirección General de Estadística Municipal.—Anuario estadístico de Buenos Aires.
- U.S. Survey of the Rocky Mountain region.—Contributions to North American ethnology. VI. 1890.
- Rev. Alfred H. Kellogg, D.D.—Abraham, Joseph and Moses in Egypt. 1887.
- St. Petersburg University.—Catalogue of books in the Statistical department.—Catalogus accessionum Bibliothecæ. 1893.
- New England Historic Genealogical Society.—Rolls of membership. 1844-91.
- Sir William Macgregor, M.D.—Lawes, Motu grammar. 1888.—Report of British New Guinea, 1889-90.
- Dr. James Henry's Trustees.—Henry, Thalia Petasata iterum. 1877.—Aeneidea. Indices. 1892.

- Dr. C. Graf von Landberg.—Nylander's Specimenschrift Daläil El-Nubuwwa kritisch beleuchtet. 1892.
- Baillie's Institution Free Library.—Report, 1891-92.
- Professor Mitchell, D.D.—Breviarium Romanum. 1544.
- Norwegian North Atlantic Expedition.—Memoirs. XXI. 1892.
- George S. Napier, M.A.—Homes and haunts of Lord Tennyson. 1892.
- The Secretary of State.—Experiments on living animals. 1892.
- St. Louis Public Library.—Annual report, 1890-91.
- Natural History Society of Glasgow.—Proceedings and transactions. N. S. II. 2; III. 1, 2.
- Carl von Rothschildsche Oeffentliche Bibliothek.—Zugangsverzeichnis für das Jahr 1891.—Verzeichnis der laufenden periodischen Schriften. 1891.
- Geological Survey of Minnesota.—Report for the year 1890.
- U.S., Naval Observatory.—Report for 1890-91.
- M. Emile Lemoine.—Trois théorèmes sur la géométrie du triangle. And three other pamphlets.
- M. Joseph Marchand.—Sur la rectification des arcs des courbes dites Limaçons de Pascal. 1892.
- M. J. Barthélemy-St. Hilaire.—Aristote et la XIX<sup>e</sup> siècle. 1892.
- Incorporation of Bakers of Glasgow.—Memoranda relative to the corporation. 1891.
- Mr. Nenion Elliot, S.S.C.Edin.—Report on Records of Church of Scotland. 1888-92.—Erection of parishes quoad sacra. 1879.—Papers on teinds and fiars prices.
- Mr. Edward Counsel.—Maxims. 2.
- Redactions Comité des X Internationales Medicinischen Congresses.—Verhandlungen. 5 Bände. 1890.
- Messrs. Curtis and Harvey.—Notes on shooting. 5th edition.
- Royal Observatory, Greenwich.—Observations, 1889.
- Messrs. Newton and Eskell.—The A. B. C. hotel guide. 1892.
- Surg.-Col. R. Harvey, M.D.—Improvement of military medical arrangements in India since 1871.—Epidemic of cholera in Srinagar, 1892.
- William Bruce, M.D.—Report of Medical Officer of Ross and Cromarty County Council. 1891.—Hospitals for infectious diseases. 1892.
- Royal College of Physicians, Edin.—Reports from the Laboratory.
- Verlag von Speyer und Peters, Berlin.—Wimphelingius, Stylpho. 1892.
- Central Sanitary Bureau, Tōkyō.—Preventive measures taken against kak'ke in the Imperial Navy.
- Dr. J. A. Coles, New Jersey.—Abraham Coles: memorial tributes and selections. 1892.—Coles, Latin hymns with original translations. 1892.
- University of Norway.—Jahrbuch des norwegischen meteorologischen Instituts. 1889 und 1890.—Briefe, Abhandlungen und Predigten. Herausgegeben von Dr. Caspari. 1890.
- Rev. Frank N. Riale, Ph.D.—The world's religions at the World's Fair. 1892.
- Sig. D. Chilovi.—Il nuovo palazzo per la Biblioteca nazionale centrale di Firenze. 1892.
- The Mitchell Library.—Eleventh annual report. 1889 to 1891.
- British Institute of Public Health. Journal of state medicine. I. 1.
- Kharshedjee Rustomjee Cama, M.R.A.S.—Sanjana, Position of Zoroastrian women in antiquity. 1892.
- Committee of Arts Class, 1868-72, Univ. of Aberdeen.—Preliminary record.—Records of the class. 1892.
- Students Representative Councils.—Scottish students' song book. 1892.
- Agent General for Western Australia.—Mennell, Notes on Western Australia.



- Birmingham Philosophical Society.—Proceedings. VII. 2.  
 Mr. K. R. Kama, Bombay.—Kanga, Grammar of the Avesta language. 1891.  
 John Brown, M.A.—Caesar de bello Gallico. Book I.  
 Prof. Diocleziano Mancini.—Percy Bysshe Shelley.  
 John Young, LL.D.—On some carboniferous ostracoda in Western Scotland. 1891.  
 Académie de Neuchatel.—Ladame, Critique historique et hypercritique.  
 The Author.—Kant's philosophy. 3, 4.  
 Dr. Julius Bergholm.—Die rationalen algebraischen Integrale. 1892.  
 The Editors.—British Guiana medical annual. 1892.  
 Peter Alexander, M.A.—Treatise on thermodynamics. 1892.  
 Mr. James Emerson, U.S.—Testing of water wheels and machinery. 1892.  
 Institution of Engineers and Shipbuilders.—Transactions. XXXV.  
 Sir Michael Connal.—Althamer, Sylva Biblicorum nominum. 1535.  
 Corporation of the City of London.—Medal in commemoration of the visit of the German Emperor. 1891.  
 La Universidad de Chile.—Anales. LXXX.  
 Bradford Free Libraries.—Twenty-second annual report.  
 Prof. Frantisek Prusik, Prague.—Formation of primitive words in Bohemian.—Bohemian rhymed Alexandrines. 1891.  
 Mr. Robert M. W. Swan. Some features of the ruined temples of Mashonaland. 1892.  
 William R. Lang, B.Sc.—Salon de 1892. Catalogue illustré.  
 Sir John Lubbock, Bart., M.P.—A contribution to our knowledge of seedlings. 2 vols. 1892.  
 Professor Grant, LL.D.—Second Glasgow catalogue of 2156 stars for the epoch 1890.  
 James Colville, D.Sc.—Rural economy in the time of Burns. 1892.  
 Board of Management of Christ Church, Philad.—Handbook of Christ Church.  
 James H. Underwood, LL.D.—Quabbin. 1893.  
 R. Milne Murray, M.B.—Lecture introductory to a course of midwifery. 1892.  
 Glasgow Pathological Society.—Transactions. II., III.  
 Charles Annandale, LL.D.—Scotland in prehistoric times. 1892.  
 Mr. Alexander McGrigor.—Sandys travels. 1673.—Cucharmois, Le sanct-voyage de Hierusalem. 1892.—Lightfoot's Works. 2 vols.—Rey, Les colonies franques de Syrie aux XII<sup>me</sup> et XIII<sup>me</sup> siècles.—Keil, Der Tempel Salomòs.—Salignac, Itinerarium Terrae Sanctae. 1593.—Le saint voyage de Jherusalem du seigneur d'Anglure. 1878.  
 Rev. Charles Voysey, B.A.—Mystery of pain, death and sin. 1892.—The sling and the stone. VI-VIII.  
 Rev. James Byrne, M.A.—General principles of the structure of language. 2 vols. 1892.  
 National Academy of Sciences, U.S.—Memoirs. V. 1891.  
 R. Università di Padova.—Relazione letta il 26 Nov. 1892 dal Rettore.—Feriis saecularibus Galilaeanis Universitas Bononiensis Universitati Patavinae.—Per il terzo centenario dalla inaugurazione dell'insegnamento di Galileo nello Studia di Padova.—Discorso pronunziato il dì 7 Dicembre 1892 dal Rettore.—Rotulus et matricula a MDXCII-III.  
 Prof. Macfarlane, Texas.—Principles of the algebra of physics. 1891.  
 Mr. Alex. A. Cuthbert.—Questions on the Holy Scriptures. With answers. 1893.  
 Volta Bureau, Washington.—Education of deaf children. 1892.  
 Rijks-Universiteit te Utrecht.—Cruse, Malebranche en zijne bestrijders. With 14 other dissertations.  
 Rev. Buchanan Blake, B.D.—How to read Isaiah. 2nd edition. 1892.  
 Hibbert Trustees.—Montefiore, The Hibbert lectures, 1892.



The Senate, Army Medical School, Netley.—Catalogue of the pathological specimens in the Museum. I. 1892.

Natural History Society of Glasgow.—Proceedings and transactions. III. 3. 1889-92.

Mrs. Ramsay, Renfrew St.—Ramsay, Scientific basis and build of music. 1893.

Friend of International Progress.—Hunter, Bombay, 1885 to 1890.

---

### *DIVINITY HALL LIBRARY.*

This Library is set apart for the special use of students in Divinity. It contains an extensive collection of Theological works. It is supported chiefly by an annual grant from the University Court of Seven Shillings for each student attending the Divinity classes.

The Librarian is elected annually by the students attending the Hall.

---

### *HUNTERIAN MUSEUM.*

This Museum, one of the most interesting possessions of the Senate, was founded by the eminent William Hunter, M.D., who was born in 1718, at Cantieswell or at Long Calderwood, in the Parish of East Kilbride, Lanarkshire. By his will, dated 1783, he bequeathed to the Principal and Professors of the College, and their successors in office, his valuable collection of books, manuscripts, coins, paintings, anatomical preparations, zoological and mineral specimens, and archæological relics, and appropriated £8,000 for the erection of a building for their reception and preservation.

The building erected in 1804 became the property of the Union Railway Company, as explained at page 25. But accommodation has been provided for the collections in the new buildings at Gilmorehill. The Museum occupies the north side of the eastern quadrangle, and consists of two halls, the upper of which is galleried. Visitors desirous of consulting in the Museum should, if possible, arrange to come between 2 and 4 P.M. Numismatists desirous of consulting the cabinet of medals should communicate with the Keeper a few days before the date of their proposed visit.

The Museum is now open to the public from 11 to 3 in winter, 11 to 4 in summer; admission sixpence. Catalogues of the Library, Medals, and Minerals are in course of preparation.

The Keeper of the Museum, by present custom the Professor of Natural History, is appointed by the Trustees, who, in terms of Dr. Hunter's will, are the Principal and Professors of the College.

The revenue derived from the admission fee has been hitherto the only fund available for the maintenance and extension of the collection. Donors of specimens are entitled to free admission. Each matriculated student has the privilege of introducing two friends three times during the session.

*Donations to Museum 1892-93.*

The following donors have contributed to the Museum during the past year :—

ZOOLOGICAL SPECIMENS—Mrs. Hugh Blackburn, Roshven; Alex. Gray, Esq., Campbeltown; Dr. David Blyth, late of Fiji; Thomas Steel, Esq., F.C.S., Australia; Dr. W. G. Dun, Glasgow; Mr. John Mackay, Hunterian Museum; Mr. Robert H. Meikle, Student; Mr. Hodge Cairns, Student; Charles Gairdner, LL.D., Egyptian Insects (100).

MINERAL, FOSSIL, AND GEOLOGICAL SPECIMENS—H. W. Lang, Esq., B.Sc.; Joshua Buchanan, Esq., jun., Glasgow; Thomas Steel, Esq., F.C.S., Australia; John Smith, Esq., Kilwinning, Ayrshire; Mr. Andrew Dunn, Student; J. Coutts Antrobus, Esq., Congleton, Cheshire; George P. Walsh, Esq., Salamanca, Spain; Mr. John Young, Hunterian Museum; John Fleming, C.E., S. Africa.

ETHNOLOGICAL SPECIMENS—Alan E. Clapperton, Esq., B.L., Glasgow; Mr. William Hansen, Student.

The most important addition during recent years has been the collection of the late F. A. Eck, Esq., formerly of Hollybush. During a long residence in South America, and afterwards while resident in Britain, Mr. Eck formed a splendid collection of minerals, numbering in all over 3,000 specimens. The minerals of Peru, Chili, Guatemala, New Grenada, Mexico, and California, are richly illustrated, while the European series of over 1,200 specimens is also representative. There are besides a fine series of polished precious stones, and also specimens of the old Mexican and Peruvian Pottery, and of modern carved work. This splendid gift—along with the handsome cabinets in which the specimens are contained—the largest since Miss Brown, of Lanfine, presented in 1875 one half of her late father's mineral collection, is due to the generosity of Mr. Eck's family, who have enjoined that the collection be kept apart and used, so far as possible, to aid the teaching of mineralogy. In February 1888, the Council of the West of Scotland Technical College

made over to the Hunterian Museum the Zoological and Ethnological collection of the Andersonian University, later known as Anderson's College, and now merged in the Technical College, the Council requiring the space for illustrations of the lectures given under their direction. The collections, which are of very great value and extent, were largely due to the generosity of the naturalists and merchants of Glasgow, to whom the Hunterian Museum is also under great obligations. The collection of birds formed by the late John Alexander, Esq., Dowanhill, was presented by Messrs. W. J. Chrystal and J. Gibson Fleming.

---

### BOTANIC GARDEN.

A piece of ground adjoining the old College was for many years set apart as a Botanic Garden, for the use of the Lecturer on Botany; but the great increase of manufactories and other buildings in its vicinity having rendered it unfit for such a purpose, the University, in 1817, agreed to subscribe £2,000 towards the formation of a new Botanic Garden then projected by the citizens of Glasgow, on condition that a Lecture-Room should be erected within it for the exclusive use of the Professor of Botany and his pupils—that every facility should be given them in prosecuting the study of Botany—and that three Directors of the Institution should be annually appointed by the Faculty of the College, to represent and protect the interests of the University. The Garden to which this agreement referred was completed and opened to the public in 1819. A Lecture-Room, in which the Professor of Botany delivered an annual course of lectures during the summer months, was built; and the collection of plants, from the zeal and ability of the Superintendent, and the favourable situation of Glasgow, had become one of the richest and most valuable in the island. The extension of the town again compelled the removal of the Garden to its present site in Hillhead, at a greater distance from the old College, so that the Professor, while he continued to give in it the practical portions of the course (*Demonstrations*), found it more convenient to deliver his Lectures at the College. The removal of the College to Gilmorehill brought it nearer the Botanic Garden, but the Lecture-Room in the Garden being inadequate for the students attending the course of Elementary

Lectures on Botany, and there being no Laboratory, Museum, or Herbarium Room in the Garden, the Professor has continued, though at great inconvenience, to deliver his elementary Lectures and to have his Laboratory at the College. The advanced Lectures delivered during the winter have, however, been given in the old Lecture-Room, within the Garden. It is desirable that the accommodation in the Botanic Garden be increased, so that the elementary lectures as well as the advanced lectures and the practical demonstrations may be given in the Garden, that the Botanical Laboratory be established there also, and that the Herbarium and Museum be lodged alongside of the Lecture-Room.

---

## VII.—GRADUATION IN THE SEVERAL FACULTIES.

### EXAMINERS.

#### **Preliminary Examinations in Arts, Science, and Medicine.**

The University Court of each University annually appoints as Examiners such number of Professors or Lecturers in the Faculty of Arts in that University, and such additional Examiners as may be deemed necessary. The preliminary Examinations in Arts, Science, and Medicine are conducted by these Examiners, under the control and supervision of a Joint-Board appointed in January of each year by the several University Courts from among the Examiners, according to a scheme of rotation prescribed in Ordinance No. 13, section IV. The Joint-Board consists of four Professors or Lecturers and eight additional Examiners, one Professor or Lecturer and two additional Examiners being appointed by the University Court of each University. It holds office from the first day of February to the thirty-first day of January in the succeeding year, and sits at each University in rotation in the following order:—Edinburgh, Glasgow, Aberdeen, St. Andrews. The Joint-Board first elected holds office until 31st January, 1894.

#### **Degrees in Arts.**

The Examiners for Degrees in Arts are the Professors whose subjects qualify for Graduation in Arts, together with such Lecturers in the University and such additional Examiners appointed by the University Court as the University Court may deem necessary.

#### **Degrees in Science.**

The Examiners for Degrees in Science are the Professors whose subjects qualify for Graduation in Science, together with such Lecturers in the University and such additional Examiners appointed



by the University Court as the University Court may deem necessary.

#### Degrees in Medicine.

The Examiners for Graduation in Medicine are the Professors whose subjects qualify for Graduation in Medicine, together with such Lecturers in the University and such additional Examiners appointed by the University Court as the University Court may deem necessary, such provision being made as will ensure that every candidate shall be examined in each subject by at least two Examiners, one of whom shall not be a Professor or Lecturer in the University.

#### Degrees in Law.

The Examiners for the Degree of Bachelor of Laws are the Professors in the Faculty of Law and three additional Examiners appointed by the University Court, who are Professors in the Faculty of Law in a Scottish University, or who have obtained the Degree of Bachelor of Laws in accordance with the provisions of Ordinance of the Universities Commissioners, No. 75.

The Examiners for the Degree of Bachelor of Law are the Professors in the Faculty of Law, together with two additional Examiners appointed by the University Court from among Graduates of Law of any of the Universities of Scotland. Each of such additional Examiners holds office for the term of three years.

#### Degrees in Divinity.

The Examiners for the Degree of Bachelor of Divinity are the Members of the Divinity Faculty.

No person is eligible for appointment to the office of additional Examiner, whether for Preliminary Examination or for Degrees in Arts, Science, or Medicine, who is a Professor, Lecturer, or University Assistant or Demonstrator in any Scottish University, and the appointment of any additional Examiner during the currency of his term of office to a Professorship, Lectureship, or to the office of University Assistant or Demonstrator in any Scottish University is held to vacate his office of Examiner. The periods of appointment of additional Examiners are so adjusted as to secure that all the Examiners shall not vacate their office at the same time; but no Examiner can be appointed for a longer period than four years, and no person who has held the office of Examiner for a period of three or four years is eligible for reappointment to the office of Examiner in the same University until he has ceased to hold the office of Examiner in such University for not less than one year.

In the event of a vacancy in the office of a member of the Joint-Board, or of an Examiner or additional Examiner in Arts, Science, or Medicine, occurring otherwise than by expiration of his term of office, the person appointed in his room is appointed for the remainder of such term only.



*REGULATIONS FOR GRANTING DEGREES.***I. GRADUATION IN ARTS.**

REGULATIONS APPLICABLE TO ALL WHO HAVE ENTERED ON THEIR ACADEMICAL COURSE SINCE 1ST OCTOBER, 1892.

The conditions on which the Degree of Master of Arts is now conferred are regulated by Ordinance No. 11<sup>1</sup> of the Universities Commissioners (1889), approved by Her Majesty in Council on 28th June, 1892, the principal provisions of which are the following :—

I. The Academical year in each University shall commence on the first day of October. The classes shall meet for the winter session (which shall include not less than twenty teaching weeks) on such day thereafter as the Senatus of each University shall determine; and shall close not later than the tenth day of the following April.

The University Court of each University shall institute a summer session in such of the subjects or branches of subjects qualifying for graduation in Arts as may be determined by the said Court after consultation with the Senatus. Such session shall commence on such day in May as the Senatus of each University shall determine, and shall include ten teaching weeks at least. The classes shall be conducted by the Professors, or by Lecturers appointed under Ordinance, General, No. 10 (Regulations as to Assistants and Lecturers).

II. The Curriculum for the degree of Master of Arts (M.A.) shall extend over not less than three winter sessions, or two winter sessions and three summer sessions.

**PRELIMINARY EXAMINATION.<sup>2</sup>**

III. (1) Before entering on the Curriculum each Student shall pass a Preliminary Examination in the following subjects:—

1. English.
2. Latin or Greek.
3. Mathematics.
4. One of the following :—Latin or Greek (if not already taken), French, German, Italian, Dynamics.

(2) The examination must be passed in the matters and on the standards hereinafter defined; but there shall be a higher and lower standard in Latin, Greek, and Mathematics.

Candidates must pass on the higher standard in at least one of these three subjects, and may pass on the lower standard in either or both of the remaining two; subject always to the conditions relative to attendance contained in Section IV. hereof.

(3) English shall include Grammar and Composition, and the outlines

<sup>1</sup> This Ordinance was printed in full in the University Calendar for 1892-93, pp. 477-485.

<sup>2</sup> For a summary of the resolutions of the Joint-Board as to the subjects of the Preliminary Examinations, and as to the Examinations to be accepted as equivalents, see Appendix II.

of Geography and British History,<sup>1</sup> and the standard shall not be lower than that presently adopted for the Higher Grade Leaving Certificate of the Scotch Education Department.

(4) Latin and Greek shall comprise grammatical questions, translation into English from Latin or Greek authors not previously prescribed, and translation of plain passages or easy sentences from English into Latin or Greek. The higher standard shall not be lower than that presently adopted in the examination for a Curriculum of three sessions, or for the Higher Grade Leaving Certificate of the Scotch Education Department, and the lower standard shall not be lower than that presently adopted for the Lower Grade Leaving Certificate of the said Department.

(5) French, German, and Italian shall comprise grammatical, literary, and easy philological questions, translation into English from French, German, or Italian authors not previously prescribed, and translation from English into French, German, or Italian; and the standard shall not be lower than that presently adopted for the Higher Grade Leaving Certificate of the Scotch Education Department.

(6) Mathematics on the lower standard shall comprise—(1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (3) Geometry—Euclid, Books I., II., and III. (or their equivalents), with easy deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration.

(7) Mathematics on the higher standard shall, in addition, comprise Euclid, Books IV., VI., and the first twenty-one propositions of Book XI. (or their equivalents), with deductions, Quadratic Equations, Trigonometry to the Solution of Triangles inclusive, and the use of Logarithmic Tables.

(8) Dynamics shall mean the Elementary Statics and Kinetics of Solids, Liquids, and Gases.

(9) A candidate shall be obliged to pass in all the required subjects at one or not more than two examinations; provided that he may repeat his second examination as often as may be necessary, being examined on

<sup>1</sup> The Joint-Board has issued the following directions as to the character of the papers to be set in English:—

English shall include (a) Grammar, (b) Composition, (c) Literature, (d) Geography, and (e) History.

(a) Grammar shall include Analysis, Parsing, Derivation, and Correction of Sentences.

(b) Composition shall include an Essay and Paraphrasing.

(c) Literature shall include a general knowledge of the life and works of the greater writers, and a more special knowledge of the works of two or three of these writers. For October, 1893, the special subjects shall be Shakespeare's "Macbeth" and "As You Like It," and Scott's "Antiquary" and "Old Mortality"; for April and October, 1894, Shakespeare's "Merchant of Venice," and Scott's "Kenilworth."

(d) Geography shall include a general knowledge of the Geography of the World, and a special knowledge of the Geography of the British Empire.

(e) History shall include a knowledge of one of the three following periods to be taken in successive years, in the order herein mentioned, namely:—The Outlines of the History of both England and Scotland to the Accession of James VI. (for October, 1893); from the Accession of James VI. to the Union of the Kingdoms (for April and October, 1894); from the Union of the Kingdoms to the Reform Bill of 1832 (for April and October, 1895).

each occasion in all the subjects in which he failed, or which he did not profess, at his first.

For the purpose of this sub-section, a candidate's first examination shall be held to be the first at which he passes in any of the subjects professed.

IV. (1) Attendance on any class shall not qualify for graduation, unless the whole Preliminary Examination has been passed.

(2) Attendance on a class in any language included in the Preliminary Examination, shall not qualify for graduation, unless the candidate, before entering the class, has passed the Preliminary Examination in that subject, and on the higher standard where a double standard is provided. He may, for that purpose, attend any Preliminary Examination held during the course of his study, taking only the paper set in that subject; provided always that the provisions of the sub-section immediately preceding shall have been satisfied.

(3) Attendance on a class in any language not included in the Preliminary Examination shall not qualify for graduation, unless the candidate has previously passed an examination in that language on a standard as nearly as possible equivalent to the higher standard of the languages included in the Preliminary Examination.

V. (1) The Preliminary Examination shall be held at each University twice in each year, under such regulations as the Senatus, with the approval of the University Court, shall from time to time determine, and shall be conducted in writing.<sup>1</sup>

(2) The Joint-Board of Examiners to be appointed under the provisions of Ordinance No. 8 (Regulations as to Examinations), shall have power to accept the Higher Grade Leaving Certificate of the Scotch Education Department in any subject as an equivalent for the Preliminary Examination in that subject; and to accept the Lower Grade Leaving Certificate of the said Department as an equivalent for the Preliminary Examination on the lower standard in Latin, Greek, and Mathematics; provided they are satisfied that the standard of the examination, at which the said certificates were granted, is not lower than that required by this Ordinance.<sup>2</sup>

(3) The Joint-Board of Examiners shall have power to determine what examinations, if any, other than those for the Leaving Certificates of the Scotch Education Department may be accepted as equivalent to the Preliminary Examination in whole or in part, provided they are satisfied that such other Examinations are in fact equivalent thereto.<sup>3</sup>

<sup>1</sup> For dates of Preliminary Examinations see Table on page 124.

<sup>2</sup> Leaving Certificates, whether obtained this year or at an earlier date, will be accepted as equivalent to the Preliminary Examination in Arts, Science, or Medicine, for October, 1893.

<sup>3</sup> The Joint-Board of Examiners, in the exercise of the power conferred by this sub-section, have come to the following resolutions:—

1. The Board are prepared to accept such Certificates as may have been obtained previous to October, 1892, as equivalent to the Preliminary Examination in Arts, Science, or Medicine, for October, 1893, provided that such Certificates would have been accepted for this purpose under the regulations in force in October, 1892, in this University.

2. For the Preliminary Examinations in October, 1893, and thereafter, a Degree in Arts or in Science, not being an Honorary Degree, in any of the Universities of the United Kingdom, shall exempt from these examinations in Arts or in Science, as the case may be.

3. The Higher Certificate of the Oxford and Cambridge Schools Examinations shall be accepted as equivalent to the Higher Standard in each subject in the Preliminary Examinations in Arts and Science, and their Lower Certificate as equivalent to the Lower Standard.

For further information on this point see Appendix II.

TABLE OF PRELIMINARY EXAMINATIONS FOR DEGREES IN ARTS, SCIENCE, AND MEDICINE, TO BE HELD DURING SESSION 1893-94.

### I. ARTS AND SCIENCE.

Fee.	Names to be given in and Fees paid to Assistant-Clerk (Matriculation Office). <sup>1</sup>	Subject.	Dates of Examinations and Hours at which the various Papers will be set.
10s. 6d.	14th September or 7th March.	Latin, - - -	Saturday, 31st March, 10 a.m. to 12 noon, 1 to 3 p.m., and 3.30 to 4.30 p.m.
		Mathematics, -	Monday, 2nd April, 10 a.m. to 1 p.m.
		Dynamics, - -	Monday, 2nd April, 2 to 5 p.m.
		English, - - -	Tuesday, 3rd April, 10 a.m. to 12 noon, and 1 to 3 p.m.
10s. 6d.		French (1st Paper), Greek, - - -	Tuesday, 3rd April, 3 to 4.30 p.m.
		French (2nd Paper), German, - - -	Wednesday, 4th April, 10 a.m. to 12 noon, and 12.30 to 2.30 p.m.
			Wednesday, 4th April, 3 to 5 p.m.
			Thursday, 5th April, 10 to 11.30 a.m., and 12 noon to 2 p.m.

### II. MEDICINE.

10s. 6d.	14th September or 7th March.	Latin, - - -	Saturday, 31st March, 10 a.m. to 12 noon, 1 to 3 p.m., and 3.30 to 4.30 p.m.
		Mathematics, -	Monday, 2nd April, 10 a.m. to 1 p.m.
		English, - - -	Tuesday, 3rd April, 10 a.m. to 12 noon, and 1 to 3 p.m.
10s. 6d.		French, - - -	Tuesday, 3rd April, 3 to 6 p.m.
		Greek, - - -	Wednesday, 4th April, 10 a.m. to 12 noon, and 12.30 to 2.30 p.m.
		German, - - -	Thursday, 5th April, 12 noon to 3 p.m.

<sup>1</sup> When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be admitted to examination.



## ORDINARY DEGREE.

VI. Candidates for the ordinary degree of Master of Arts may follow the Curriculum and take their degree in the subjects hitherto recognised for graduation, as provided by the regulations<sup>1</sup> contained in Ordinances Nos. 12, 14, 18, and 69 of the Commissioners under the Universities (Scotland) Act, 1858, subject always to the preceding provisions of this Ordinance; or they may vary the Curriculum for graduation under the regulations contained in the immediately succeeding sections.

VII. (1) Candidates shall attend full courses in at least seven subjects, and shall be examined on these subjects.

(2) Of these subjects four must be (a) Latin or Greek; (b) English or a Modern Language or History; (c) Logic and Metaphysics, or Moral Philosophy; (d) Mathematics or Natural Philosophy.

(3) The remaining subjects may be selected by the candidate from the Departments specified in Section IX. of this Ordinance, under the following condition:—That the whole subjects taken shall include either (a) both Latin and Greek, or (b) both Logic and Moral Philosophy, or (c) any two of the following three subjects,—Mathematics, Natural Philosophy, and Chemistry.

VIII. (1) Each of the subjects must be studied in a full course of not less than one hundred meetings of the class on separate days, except in cases where the Senatus, with the approval of the University Court, shall have sanctioned, as qualifying for graduation, half courses of not less than fifty meetings on separate days; or where the Senatus, with the approval of the said Court, shall, having regard to the nature of the subject, sanction full courses of less than one hundred or of less than fifty meetings respectively.

(2) Two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) Where a subject is taught in a practical class, as well as in a systematic class, the Senatus, with the approval of the University Court, shall regulate the course of study and determine the relative proportion of lectures and laboratory or practical work.

IX. The Departments of study for graduation in Arts in each University shall, if adequate instruction is provided, include the following subjects, with such additions or modifications in any University as may hereafter be made by Ordinance of the University Court:—

1. *Language and Literature.*

Latin.	English.	German.	Sanskrit.	Arabic or Syriac.
Greek.	French.	Italian.	Hebrew.	Celtic.

2. *Mental Philosophy.*

Logic and Metaphysics.	Education (Theory, History, and
Moral Philosophy.	Art of).
Political Economy.	Philosophy of Law.

3. *Science.*

Mathematics.	Astronomy.	Zoology.	Geology.
Natural Philosophy.	Chemistry.	Botany.	

<sup>1</sup> See pp. 130, 131.



4. *History and Law.*

History.  
Archæology and Art (History of).  
Constitutional Law and History.

Roman Law.  
Public Law.

X. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary examinations, shall be entitled to receive the ordinary degree of Master of Arts on payment of the fees required.

## DEGREE WITH HONOURS.

XI. (1) The degree of Master of Arts may be taken with Honours in any of the following Groups, in which Honours Classes shall have been established in at least two subjects:—

- (a) Classics (*i.e.*, Latin and Greek, with optional subjects such as Comparative Philology, Ancient Philosophy, and Classical Archæology).
- (b) Mental Philosophy.
- (c) Mathematics and Natural Philosophy.
- (d) Semitic Languages.
- (e) Indian Languages.
- (f) English (Language, Literature, and British History).
- (g) Modern Languages and Literature.
- (h) History.

(2) Every Candidate shall take up at least five subjects. Two of these subjects, under separate Professors or Lecturers, must be selected from the Candidate's Honours Group; and the five subjects shall include one from each of the Departments of Language and Literature, Mental Philosophy, and Science, set forth in Section IX. of this Ordinance.

(3) Every Candidate shall attend seven Classes, taking two Classes (one of which shall be an Honours Class) in each of his Honours subjects.

(4) A Candidate who has obtained Honours in any one Group, may, before graduating, present himself again for examination in a second Honours Group. In such a case, he shall not be required to attend more than two additional Classes, which shall be Honours Classes, in the second Group.

(5) The examination in the subjects comprised in the Candidate's Honours Group shall be of a higher standard than that required for the ordinary degree of Master of Arts. In his other subjects the standard shall be that required for the ordinary degree.

(6) The Senatus shall, subject to the provisions of Sections XVI. to XX. of this Ordinance, from time to time determine what subjects shall be comprised in each Group, what subjects may be taken in half courses, and in which Group they may be taken: Provided that no new Group shall be instituted except by Ordinance of the University Court.

(7) The provisions of Section VIII. of this Ordinance shall apply to Candidates for Honours; but, in their case, not fewer than fifty meetings, on separate days, extending over an entire winter session, shall constitute a full course for an Honours Class; and not fewer than twenty-five meetings on separate days, extending over half a winter session, or an entire summer session, shall constitute a half course.

XII. (1) Every Candidate shall include Latin, or Greek, either in his Honours Group or as one of the subjects in which the standard of examination is that required for the ordinary degree of Master of Arts.

(2) Greek shall be compulsory for candidates for Honours in Mental Philosophy.

(3) Candidates for Honours in English, or Modern Languages and Literature, or History (Groups *f, g, h*, of Section XI. hereof), shall include within the whole subjects taken for their degree (*a*) Logic and Metaphysics or Moral Philosophy and (*b*) Mathematics or Natural Philosophy.

XIII. (1) The whole examination in the candidate's Honours Group must be taken at one time, and the whole examination necessary for graduation with Honours must be taken within five years from the date of the candidate's first matriculation after having passed the Preliminary Examination, unless that period shall be extended by the Senatus on special cause shown; and in every such case the Senatus shall make a report to the University Court setting forth the reasons for the extension.

(2) Candidates for Honours may be examined, at any time during their Curriculum, in the three subjects in which the standard of examination is that required for the ordinary degree of Master of Arts.

XIV. (1) A candidate who has passed the examinations necessary for the ordinary degree of Master of Arts, but who has not yet graduated, may present himself for Honours within five years from the date of his first matriculation after having passed the Preliminary Examination, and shall not be required to attend further classes:—subject always to the provisions of Section XII. hereof.

(2) No one shall be allowed to present himself a second time as a candidate for the degree of Master of Arts with Honours, who, upon examination, has failed to obtain Honours.

(3) A candidate shall be held to have presented himself who has notified his name for Examination in accordance with the University regulations. But it shall be in the power of the Senatus to relax this rule on special cause shown; and in every such case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.

XV. (1) In each Group there shall be three Grades of Honours, to be denominated respectively the First, Second, and Third Class. The names of the candidates entitled to Honours in each class shall be arranged in alphabetical order.

(2) For the degree of Master of Arts with Honours a Diploma shall be given setting forth the subjects in which he has taken Honours.

#### BOARDS OF STUDIES.

XVI. The Senatus of each University shall from time to time institute Boards of Studies corresponding as nearly as may be to the Departments of Study enumerated in Section IX. of this Ordinance.

XVII. Each Board of Studies shall consist of such Members of the Senatus and Lecturers in the University as the Senatus may from time to time select, and the Senatus shall appoint one of the Members of the Board to be Convener thereof.

XVIII. Before the end of each winter session each Professor and Lecturer in the said Departments of study shall submit to the proper Board of Studies for its approval a syllabus of the subjects and books proposed for the work of his class for the next Academical year. As soon as such approval has been given, the syllabus shall be transmitted to the Faculty of Arts for its consideration. The syllabus, with such observations as the Faculty of Arts may see fit to make thereon, shall then be transmitted to the Senatus for its sanction.

XIX. (1) Before the end of each winter session each Board of Studies shall prepare a scheme defining for the Academical year next but one following, the classes which shall be deemed to be Honours classes, and the subjects and courses of reading for Honours in its Department, and shall report the same to the Faculty of Arts for its consideration. The scheme, with such observations as the Faculty of Arts may see fit to make thereon, shall then be transmitted to the Senatus for its sanction.

(2) Each Board shall in like manner make recommendations through the Faculty of Arts to the Senatus in regard to the half-courses which may be sanctioned under the provisions of this Ordinance, and the lectures which may be given on special subjects.

XX. The Principal and the Dean of the Faculty of Arts shall be *ex officio* Members of each Board of Studies. The Convener shall preside, and, in his absence, each meeting shall appoint its own Chairman, and every Chairman shall have a deliberative, and, in cases of equality, a casting vote.

#### GENERAL.

XXI. In the case of a student whose native language is other than European, the Senatus may, at the Preliminary Examination, accept such language as a substitute for a modern European language. The Senatus may also in such a case accept as an alternative to Latin or Greek any other classical language, such as Sanskrit or Arabic, subject always to the provisions of Section IV. Sub-section 3 hereof.

XXII. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class as qualifying for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint; and in every such case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.

XXIII. The examination in all the languages in the Curriculum shall, as far as possible, be on the same standard in Examinations for the same degree, and shall in all cases test the candidate's knowledge of the history and literature of the several countries.

XXIV. A candidate for the degree of Master of Arts shall not be deemed to have attended a class as part of the Curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XXV. A student, who has given attendance at classes recognised as

qualifying for graduation during one or more sessions in any one or more of the Scottish Universities, may complete his Curriculum by giving attendance during the remainder of his course in another Scottish University, and may proceed to a degree in the latter University in the same way, in all respects, as if the previous part of his Curriculum had been taken therein: Provided always that every such student shall be bound to produce, to the satisfaction of the Senatus of the latter University, certificates of his having passed the Preliminary Examination, and of his attendance at the former University or Universities, and shall be examined in all the subjects necessary for a degree of Master of Arts by the Examiners of the University in which he completes his Curriculum, and in which alone he shall be allowed to graduate; and that no such student shall be admitted to a degree in any University unless he has given attendance in such University during the last winter session of his Curriculum, and one other winter session or two summer sessions.

XXVI. A candidate for the degree of Master of Arts with Honours, who has failed to be placed in any class, may, provided that in the opinion of the Examiners he has given evidence of sufficient attainments in any subject for the ordinary degree of Master of Arts, receive from them a certificate of having passed in such subject, which shall count *pro tanto* as part of the examination required under the regulations for the ordinary degree of Master of Arts.

XXVII. The degree of Master of Arts shall in no case be conferred on persons who have not satisfied the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

XXVIII. A student who, previous to 1st October, 1892, commenced his course of study with a view to graduation in Arts in any of the Scottish Universities under the regulations<sup>1</sup> in force at the time in such University, may complete his course and become a candidate for the degree of Master of Arts, with or without Honours, in conformity with such regulations. And any such student who has passed the examination hitherto required for admission to a Curriculum of three sessions shall, if he desire to come under the regulations of this Ordinance, be exempted from the Preliminary Examination herein required.

XXIX. Students may attend any classes without having passed the Preliminary Examination within the meaning of this Ordinance, but such attendance shall not qualify for graduation.

XXX. It shall be competent for the University Court in each University to discontinue the Junior Classes, or Middle Classes, where such exist, in Latin, Greek, and Mathematics, when, in the opinion of the Court, the provision for Secondary Education in schools throughout the country is sufficient to render such classes no longer necessary.

<sup>1</sup> See p. 130.



REGULATIONS APPLICABLE TO ALL WHO BEGAN THEIR ACADEMICAL COURSE  
BEFORE 1ST OCTOBER, 1892.

I. The ordinary course of study necessary for the Degree of Master of Arts (except in the circumstances mentioned in the following paragraph) extends over four winter sessions, and includes attendance for not less than two sessions on the classes of Humanity, Greek, and Mathematics respectively, and attendance for not less than one session on the classes of Logic, Moral Philosophy, English Literature, and Natural Philosophy respectively.

II. Any student who, at the time of his entrance to the University, shall satisfy the Professors in the Faculty of Arts, on examination, that he is qualified to attend the higher classes of Latin, Greek, and Mathematics, or any of them, may be admitted to such higher class or classes without having attended the Junior class or classes, in the same department or departments; and in the case of students who are, after such examination, admitted to the higher Greek and Latin classes, the course of study for the Degree of Master of Arts may be completed within three winter sessions instead of four.

III. In pursuing the course of study for the Degree of Master of Arts, no student is permitted to pass from the Junior to a higher class in any department, unless the Professor is satisfied of his fitness to enter the higher class.

IV. It is in the power of any student, who has given attendance during one or more sessions on the course of study in any other Scottish University, to complete his course of study and proceed to the Degree of M.A. in this University: Provided always, that every such student shall produce, to the satisfaction of the Senatus Academicus of this University, testimonials of his attendance at the former University, and shall be examined in all the departments necessary for the Degree of Master of Arts by the Examiners of this University: Provided also, that no student shall be admitted to a Degree in this University unless he has given attendance in this University during the last two sessions of his course.

V. Any student who has completed the required attendance on the Latin and Greek classes, may be examined on those subjects at any examination for Degrees, although he has not completed his attendance on the other classes of the prescribed course; and, in like manner, any student who has completed the required attendance on the classes of Logic, Moral Philosophy, and English Literature, may be examined on these subjects at any examination for Degrees, although he has not completed his attendance on the other classes of the prescribed course; and, in like manner, any student who has completed the required attendance on the classes of Mathematics and Natural Philosophy, may be examined on these subjects at any examination for Degrees, although he has not completed his attendance on the other classes of the prescribed course; and, if such student shall satisfy the Examiners, when so examined in Latin and Greek, or in Logic, Moral Philosophy, and English Literature, or in Mathematics and Natural Philosophy, he is entitled to receive from them a certificate to that effect, and he is not again examined on the same subjects, as a condition of his taking the Degree of Master of Arts.

VI. Students who have passed satisfactorily an examination or examina-



tions on the several subjects embraced in the prescribed course of study, are entitled forthwith to receive the Degree of Master of Arts without Honours; but they may, before taking a Degree, offer themselves for a farther Examination, with a view to Graduation with Honours:<sup>1</sup> Provided always, that any student who desires to offer himself for examination, with a view to Graduation with Honours, in any one or more departments, may proceed to such examination without having previously passed the examination in such department or departments for the Degree of Master of Arts, without Honours; and if such student, in the opinion of the Examiners, fails to attain the standard for Honours in any department, but attains to the standard of the examination for Graduation without Honours, he shall be held to have passed in that department for the Degree of Master of Arts without Honours, but if in any such department he fails to attain to the standard of the examination for Graduation without Honours, he shall not be entitled, until he shall have passed in that department, to the Degree of Master of Arts: Provided also, that no person shall be admitted to examination for Honours after he has ceased to be a matriculated student in attendance on a class or classes in the University for more than one winter session, unless he has been prevented from offering himself by ill-health or other sufficient cause.<sup>2</sup>

There are four departments, in any one or more of which candidates for Graduation with Honours may offer themselves for examination, viz.:—

- A. Classical Literature;
- B. Mental Philosophy, including Logic, Metaphysics, and Moral Philosophy;
- C. Mathematics, including Pure Mathematics and Natural Philosophy; and
- D. Natural Science, including Botany, Geology, Zoology, and Chemistry.

In each of the first three of the above-mentioned departments—viz., in Classical Literature, in Mental Philosophy, and in Mathematics—there are two grades of honour, denominated respectively the First Class and the Second Class; but in the department of Natural Science there is one class of Honours only; and the names of the candidates entitled to honours in each class, in the several departments, are arranged, when publicly announced, in alphabetical order.

VII. The Examination Fee for the Degree of Master of Arts (with or without Honours) is Three Guineas. The fee for examination in each of the three departments is One Guinea.

The papers for the examinations under the old regulations are the same as those in the corresponding subjects for the Degree of M.A. under the new regulations, and the examinations take place at the same time.

For Dates of examination see Table on p. 138.

<sup>1</sup> The provisions with regard to Honours contained in this and the following paragraphs are applicable only to those who began their curriculum before session 1892-93.

<sup>2</sup> By minute of date 28th November, 1872, the Senate resolved that the power conferred on them of dispensing with the above regulation "will not be exercised except in the case of the applicant having been precluded from attendance by ill-health, or very peculiar circumstances, quite beyond the applicant's control; attendance at another University not to be considered such."

# TABLE OF SUBJECTS OF EXAMINATION FOR THE DEGREE OF MASTER OF ARTS, ACCORDING TO THE DIFFERENT CLASSES OF DISTINCTION WHICH CANDIDATES MAY HAVE IN VIEW.

The Examination Questions prescribed in April, 1893, in the several Departments and Subjects will be found towards the end of the Calendar.

IN	FOR ORDINARY DEGREE.	FOR HONOURS.
LATIN	<p><b>October, 1893.</b>  <b>VIRGIL, <i>Æneid</i>, Book VIII or XII.</b>  <b>HORACE, <i>Odes</i>, Books II, III.</b>  <b>HORACE, <i>Epistles</i>, Book I or II, with <i>As Pœtica</i>.</b>  <b>TACITUS, <i>Annals</i>, Book I.</b>  Any one of the following: (a) CICERO, any oration or orations of not less than 40 chapters; (b) CICERO'S <i>Epistles</i>, any 40 consecutive pages (Pritchard &amp; Bernard's Selection); (c) any Book of LIVY.  <b>ROMAN ANTIQUITIES and ROMAN HISTORY, from B.C. 133 to B.C. 31 (<i>Students' History of Rome</i>, Books VI, VII).</b>  Unseen translation.  Latin Prose Composition and Grammar.  <b>April and October, 1894.</b>  <b>PROPERTIUS (<i>Æneid</i>, Book IX.</b>  <b>PROPERTIUS (Ramsay's Selections), Books II, III, IV.</b>  <b>VIRGIL, <i>Æneid</i>, Book I.</b>  <b>TACITUS, <i>Annals</i>, Book IV.</b>  Any one of the following: (a) CICERO, any oration or orations of not less than 40 chapters; (b) CICERO'S <i>Epistles</i>, any 40 consecutive pages (Pritchard and Bernard's Edition); (c) any Book of LIVY.  <b>ROMAN ANTIQUITIES and ROMAN HISTORY from B.C. 133 to B.C. 31 (<i>Students' History of Rome</i>, Books VI and VII).</b>  Unseen translation.  Note.—Proficiency in Latin Prose Composition and in Grammar is required. A knowledge of the matter of the Books read is required, so as to enable a student to explain and comment on the text, and explain allusions.</p>	<p><b>October, 1893,<sup>1</sup> and afterwards till further notice.</b>  <b>VIRGIL, <i>Æneid</i> VII—XII.</b>  <b>HORACE, the Odes and Satires.</b>  And any two (or more) of the following combinations:  (a) LUCRETIVS, Books I, II, with a play of PLAUTUS.  (b) JUVENAL (the whole excepting Sat. II, VI, and IX).  (c) PERSIUS, with Sellar's Selections from Martial, Books I-IV.  (d) CATULLUS (Strong's Selection) and Propertius (Ramsay's Selection).  <b>CICERO, the <i>Philippic Orations</i>, I-VI, or any oration of Cicero, or any consecutive portion of Cicero's <i>Epistles</i> (Muirhead's or Pritchard and Bernard's Selections) of at least equal length.  <b>LIVY, I-III, or XXI-XXIII.</b>  <b>TACITUS, <i>Annals</i>, Books I-IV.</b>  <b>With Latin Composition, History, and Antiquities, &amp;c.</b> Passages also from Books not prescribed will be set.  Candidates may profess any extra books they please.</b></p>

<sup>1</sup> N.B.—The Examination for Honours in Classics and for Classical Fellowships will commence upon Saturday, October 21st, at 3 p.m. (instead of on the Monday as formerly).

IN	FOR ORDINARY DEGREE.	FOR HONOURS.	
GREEK	<p><b>October, 1893.</b> HOMER, <i>Od.</i> IX, or <i>Iliad</i>, XVI or XXII. ÆSCHYLUS, <i>Prometheus</i>, or <i>Choephoroi</i>; or SOPHOCLES, <i>Antigone</i>; or ARISTOPHANES, <i>Eirene</i>. THUCYDIDES IV, 1-41. PLATO, <i>Apology</i>; or ARISTOTLE, <i>Poetics</i>, Cap. I-XXIII, inclusive, omitting XX and XXI. Unseen translation and composition. History of Greece; either Chap. I-XX in Oman's <i>History</i>; or Chap. XXI-XXXV (i.e., 478-404 B.C.). Questions on Greek Grammar, Literature, History, and Antiquities.</p>	<p><b>October, 1893, and afterwards till further notice.</b> (HOMER, <i>Odyssey</i>, Books I-XII. Any two of the following five groups, i.e., an amount equivalent to four plays in all. VERSE. 1. ÆSCHYLUS, Two plays of the <i>Orestia</i>. 2. SOPHOCLES, two plays selected from the <i>Oedipus Tyrannus</i>, <i>Oedipus Coloneus</i>, <i>Antigone</i>. 3. EURIPIDES, two plays selected from the <i>Phoenissæ</i>, <i>Iphigenia in Aulide</i>, <i>Hippolytus</i>. 4. PINDAR, two books of the <i>Odes</i>. 5. THEOCRITUS, the whole as in Snow's edition. THUCYDIDES, four books. [But see below.] Either—1. PLATO, two of the following Dialogues—<i>Phædo</i>, <i>Protagoras</i>, <i>Gorgias</i>, <i>Theætetus</i>, <i>Apology</i>; 2. ARISTOTLE, <i>Politics</i>, Books I, II, III, or IV, V, VI (as numbered in Bekker's text); Or <i>Constitution of Athens and Poetics</i>. PROSE. Or— THUCYDIDES, four books. [But see below.]</p>	<p>Greek Composition. Questions in Greek Grammar, Literature, History, and Antiquities. Candidates will be required to show a thorough acquaintance with the subject matter, as well as with the text, of the Books. In and after April, 1893, candidates, while expected to translate accurately all the books which they profess, will be required to offer Three Special Books, in which they will be asked to comment on particular words, passages, and questions of text. They may then profess two books of Thucydides instead of four. The special books may be chosen from the following, one of the three being always prose, and one poetry:—Æschylus, <i>Choephoroi</i>; Sophocles, <i>Antigone</i>; Homer, <i>Odyssey</i>, IX-XII; Thucydides, IV; Plato, <i>Apology</i>; Aristotle, <i>Poetics</i>. A pure and accurate English style in translation is considered of the highest importance. Candidates for Second Class Honours only may profess an amount equivalent to at least <i>one-half</i> of each of the authors, Greek or Latin, prescribed above, with or without special books.</p>
	<p><b>April and October, 1894.</b> HOMER, <i>Od.</i> IX, or <i>Od.</i> IV, 1-620. ÆSCHYLUS, <i>Persæ</i>; or SOPHOCLES, <i>Antigone</i>. DEMOSTHENES, <i>Against Leptines</i>. PLATO, <i>Republic</i>, Book I and Book II (down to 367 E); or ARISTOTLE, <i>Poetics</i>, Cap. I-XXIII, inclusive, omitting XX and XXI. Unseen translation and composition. History of Greece; either Chap. I-XX in Oman's <i>History</i>; or Chap. XXI-XXXV (i.e., 478-404 B.C.). Questions on Greek Grammar, Literature, History, and Antiquities. <i>Note.</i>—Under the New Regulations more importance than has hitherto been usual will be attached to Greek Composition.</p>		

IN	FOR ORDINARY DEGREE.	FOR HONOURS.
<p style="text-align: center;"><b>ENGLISH LITERATURE</b></p>	<p><b>October, 1893.</b> A. For students who attended in session 1891-92 :—(1) English Composition, and (for Senior Class) English Philology; (2) History of English Poetical Literature during the age of Shakespeare, with special reference to <i>Hamlet</i>, <i>Macbeth</i>, <i>Cymbeline</i>, <i>As You Like It</i>, and <i>Nimmo's British Dramatists</i> (omitting <i>Every Man in his Humour</i>, <i>Knight of the Burning Pestle</i>, <i>Virgin Martyr</i>, and the plays by Ford and Shirley); (3) (a) Chaucer's <i>Prologue</i> (Clarendon Press), (b) Arnold's Selections from Wordsworth, or Coleridge's <i>Ancient Mariner</i>, <i>Christabel</i>, <i>Odes on France and Dejection</i>. B. For students of session 1892-93 :—(1) as in A; (2) History of English Poetry, from Cowper to Keats (text-book, Ward's <i>English Poets</i>, vol. 4); (3) (a) <i>Macbeth</i> (Clar. Press); (b) <i>Green's Essays by Addison</i> (Macmillan). Students of sessions prior to 1891-92 can take either paper, but no third paper will be set.</p> <p><b>April and October, 1894.</b> A: For students of session 1892-93, the subjects of that session specified above under B. B. For students of session 1893-94, the subjects specified on p. 56 (with any modification or addition made during session). Students of sessions prior to 1892-93 can take either of these two papers, but no third paper will be set.</p>	<p>(This notice is contingent upon the appointment of a Professor of History). Students will be examined in the following subjects :—(1) English Philology, with Sweet's <i>Anglo-Saxon Reader</i> and <i>Specimens of Early English</i>, Parts 1 and 2. (2) General History of English Literature from 1350, with the first principles of Aesthetics as applied to Literature. (3) Shakespeare. (4) One of the following :—(a) Anglo-Saxon Poetry; (b) Scottish Poetry to Lindsay; (c) Dunbar and Spenser; (d) Milton and parts of Bacon; (e) Dryden, Pope, Swift, Addison, Richardson, Fielding, Johnson, Burke, Hamé, Gilboa, Burns, Scott, Austen, Wordsworth, Coleridge, Byron, Shelley, Keats, Carlyle, Tennyson, R. Browning, <i>Austen</i>,—any three of these, provided that the three include a poet and a prose-writer, and do not include more than one of the last four writers. Names of Authors counted as prose-writers are in italics.</p>
<p style="text-align: center;"><b>HEBREW</b></p>	<p><b>October, 1893; April and October, 1894.</b> The Book of Genesis. Psalms I-XLI. Any one of the following :—(a) Joel, (b) Nahum, (c) Habakkuk, (d) Zephaniah. Unseen translation. Unpointed text to be pointed and translated. Translation from English into Hebrew. Questions on Grammar, Syntax, and Accents.</p>	

FOR HONOURS.

FOR ORDINARY DEGREE.

IN

LOGIC

The Professor's Lectures and *Institutes of Logic* (Large Print only).

In addition, the Professor's Lectures in Higher Class, (a) The Theoreticus; (b) Descartes, the Method, Meditations and Principles of Philosophy (English Translation, with Introduction, 1879); Locke's Essay, Books II and III; Hume, Enquiry Concerning Human Understanding; Reid, Essays on the Intellectual Powers, II, III, VI, with Hamilton's Notes and Supplementary Dissertations to Reid. Hamilton's Discussions (Logic, Perception, Cousin and Philosophical Appendix); (c) Systems of Kant, Fichte, Schelling, Hegel; (d) Hoffding's Outlines of Psychology (translated by Lowndes, 1891); (e) Institutes of Logic (Large and Small Print).

MORAL  
PHILOSOPHY

The Professor's Lectures during the session in which the student examined has attended the Moral Philosophy Class; and the text-book, if any, used in the Class during that session.

Candidates for Honours will be examined on the History of Ancient and Modern Philosophy, as well as on Moral and Political Philosophy. They are required to show accurate knowledge of the following books:—(1) Plato's Republic; (2) Aristotle's Ethics; (3) Watson's Selections from Kant's Critiques of Pure and Practical Reason; (4) Green's Prolegomena to Ethics; (5) Spencer's Data of Ethics.

They are also recommended to read such works as Hegel, as translated and illustrated by Dr. Stirling and Mr. Wallace, Maine's Ancient Law, Green's Hume, Lotze's Microcosmus, Bradley's Ethical Studies, Spencer's Psychology and Sociology, and Sidgwick's Methods of Ethics; but they will not be specially examined on these books.

POLITICAL  
ECONOMY

The Lecture and Text-Book of the session in which the student has attended the class.

PHILOSOPHY  
OF LAW

Holland's Jurisprudence.  
Maine's Ancient Law.  
Miller's Philosophy of Law.

MATHEMATICS

Euclid, First Six Books, and Book XI, 1-21.  
Algebra, including Quadratic Equations, Progressions, and Binomial Theorem.  
Plane Trigonometry, including the Solution of Triangles by the aid of Logarithmic tables.

*Second Class.*—In addition, Higher Algebra; Plane Trigonometry; Analytical and Geometrical Conics, and Differential and Integral Calculus so far as treated in the Senior Mathematical Class.

*First Class.*—In addition, Spherical Trigonometry, Solid Geometry, Differential and Integral Calculus, Differential Equations, and Elements of Finite Differences.



IN	FOR ORDINARY DEGREE.	FOR HONOURS.
NATURAL PHILOSOPHY	Examination on the Subjects explained in the Class, including Astronomy. On the Elements of Statics and Dynamics, with the solution of problems not requiring the Differential or Integral Calculus; Experimental Science, including Sound, Light, Heat, Electricity, and Magnetism.	<p><i>Second Class</i>.—Thomson and Tait's Elementary Treatise on Natural Philosophy; Maxwell or Balfour Stewart on Heat; Donkin on Sound; Central Forces.</p> <p>The subject of special course on Mathematical Physics for session of attendance.</p> <p>Portions of Thomson's Electrical Papers to be professed.</p> <p><i>First Class</i>.—In addition, Portions of Thomson and Tait's Natural Philosophy (large work) to be professed; also, either Fourier's Théorie Analytique de la Chaleur, or the Mathematical theory of one of the following subjects, Electricity, Magnetism, Light, Sound, Elasticity of Solids.</p> <p>For undulatory Theory of Light, Jamin, Cours de Phys., Vol. III, Part II, and Airy recommended.</p>
ASTRONOMY	Elementary Mathematical Astronomy and Popular Astronomy.	
CHEMISTRY	General principles.—Inorganic and Elements of Organic Chemistry. Text-books—Bloxam's Chemistry; Watts' Chemistry, by Tilden; Armstrong's Organic Chemistry; Cloues' Practical Chemistry.	
ZOOLOGY	Claus, Zoology.	
BOTANY	The general principles of the Science of Botany, including External Morphology, Anatomy and Physiology; also the chief characters of the Natural Orders of Phanerogams represented in the British Flora, and of the leading types of Pteridophyta, Bryophyta, and Thallophyta.	

IN	FOR ORDINARY DEGREE.	FOR HONOURS.
GEOLOGY <sup>1</sup>	J. Geikie's Outlines of Geology.	
CONSTITUTIONAL LAW AND HISTORY	<p>1. History of the Constitution during the 16th and 17th centuries.</p> <p>2. Existing Constitutional Law.</p> <p>Authorities recommended—Hallam's Constitutional History of England; Anson's Law and Custom of the Constitution, 2 vols.; Thomas, Leading Cases in Constitutional Law; Dicey, Law of the Constitution.</p>	
ROMAN LAW	Justinian's Institutes, with Moyle's Introduction, Commentary, etc.	
PUBLIC LAW	<p>1. Public International Law.</p> <p>2. Private International Law.</p> <p>Authorities recommended—Maine's Ancient Law; Ahrens' Cours de Droit Naturel, or Lorrimer's Institutes of Law and Law of Nations, or Trendelenburg's Naturrecht; Hall's or Woolsey's International Law, or Twiss' Law of Nations, or Heffter's Droit International de l'Europe, together with the prize cases reported in Tudor's Leading Cases in Mercantile and Maritime Law, or Bluntschli's Völkerrecht, together with the above cases; the Eighth Volume of Savigny's System translated by Guthrie.</p>	

<sup>1</sup> The examination in this and the three preceding subjects will be oral and practical, as well as by written papers.

TABLE OF EXAMINATIONS IN THE SUBJECTS FOR THE DEGREE OF M.A., FOR THE CERTIFICATE OF L.A., AND FOR THE DIPLOMA FOR TEACHERS, TO BE HELD DURING SESSION 1893-94.

Names to be given in and Fees paid to Assistant-Clerk (Matriculation Office). Date.	FEE.	Subjects of Examination.	Dates of Written Examinations and Hours at which the different Papers will be set.
21st Sept. or 7th March	10s. 6d. FOR EACH SUBJECT UNTIL £3 8s. SHALL HAVE BEEN PAID.	Astronomy, - Geology, - Zoology, - Botany, - Chemistry, - Public Law, - Philosophy of Law, - Roman Law, - Constitutional Law and History, -	October, 1893. Saturday, 7th October, 10 a.m. Do., do., 1 p.m. Monday, 9th October, 10 a.m. Do., do., 12.30 p.m. Do., do., 3 p.m. Monday, 16th October, 2 p.m. Do., do., 9 a.m. Tuesday, 17th October, 9 a.m. Do., do., 2 p.m. Saturday, 21st October, at 3 p.m. <sup>1</sup> Monday, 23rd October, 10-12, 1-3, and 4-6 p.m. Tuesday, 24th October, 10-12 and 1-3 p.m. Thursday, 26th October, and following days at 11 a.m. (Orals.) Saturday, 21st October, at 10 a.m. Wednesday, 25th October, at 10 a.m. Do., do., 2 p.m. Thursday, 26th October, at 10 a.m. Do., do., 2 p.m. Friday, 27th October, 10-1 and 2-5 p.m. Saturday, 28th October, 10-1 and 2-5 p.m.
2nd Oct. or 10th March		Latin and Greek, - English Literature, - Logic, - Hebrew, - Moral Philosophy, - Political Economy, - Mathematics, - Natural Philosophy, -	April, 1894. Monday, 26th March, 10 a.m. Do., do., 1 p.m. Tuesday, 27th March, 10 a.m. Do., do., 12.30 p.m. Do., do., 3 p.m. Wednesday, 4th April, 2 p.m. Do., do., 9 a.m. Thursday, 5th April, 9 a.m. Do., do., 2 p.m. Saturday, 7th April, at 3 p.m. <sup>1</sup> Monday, 9th April, 10-12, 1-3, and 4-6 p.m. Tuesday, 10th April, 10-12 and 1-3 p.m. Thursday, 12th April, and following days at 11 a.m. (Orals.) Saturday, 7th April, at 10 a.m. Wednesday, 11th April, at 10 a.m. Do., do., 2 p.m. Thursday, 12th April, at 10 a.m. Do., do., 2 p.m. Friday, 13th April, 10-1 and 2-5 p.m. Saturday, 14th April, 10-1 and 2-5 p.m.

For dates in regard to Arts Preliminary Examination see page 124.

<sup>1</sup> Honours paper only.

When names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be admitted to examination. A Candidate is not held to be entered for the examination until his Name is entered, the Fee paid, and all the necessary certificates, etc., lodged.

**Certificate of Literate in Arts.**

In 1880 the University Court, after communication with the Senate and the General Council, and with the sanction of the Chancellor, instituted a certificate conferring the title of "Literate in Arts."

The following are the regulations for granting this certificate :—

1. The Certificate of Literate in Arts is open to all persons who have been public students in the Faculty of Arts for not less than two Sessions, and who during that time have given attendance at not less than five of the classes included in the course of study for the M.A. Degree.

2. No student is permitted, with a view to the Certificate of Literate in Arts, to reckon attendance on more than two of the classes included in any one of the three departments of the Arts course, *i.e.*, Classical Literature, Mental Philosophy, and Mathematics.

3. The examination for the Certificate may be taken at one, two, or three periods, at the option of the candidate, and either in April or in October ; but in no case can the examinations included in any one department be separated from each other. Candidates presenting more than one subject included in one department must pass in *both* at the same time.

4. The examinations and standard of proficiency required for the said Certificate are, in respect of the classes attended, the same as those demanded in the subjects belonging to the same classes for the M.A. Degree : and the examination papers will be the same as those set in the corresponding subjects for that Degree.

5. When all the subjects are taken at one examination the fee is £2 2s. ; when the examination is divided, the fee is £1 1s. for the examination in the department first taken, and £1 1s. for that taken next ; but no fee paid with a view to the said Certificate shall be accepted as *pro tanto* payment towards the fee exigible for the M.A. Degree.

6. Not less than three of the five classes constituting the attendance required for the Certificate, and in all cases the last year of the course must have been taken in the University of Glasgow. All the examinations must be passed in this University.

7. The Certificate of Literate in Arts is not open to students whose qualifications for the Certificate are entirely of a date anterior to April, 1880.

The subjects of Examination for the Certificate of Literate in Arts are as follows :—

**A. DEPARTMENT OF CLASSICS.**

*Latin, for October, 1893.*

Virgil, *Æneid*, Book VIII. or XII.

Horace, *Odes*, Books II., III.

Horace, *Epistles*, Book I. or II. and *Ars Poetica*.

Tacitus, *Annals*, Book I.

Any one of the following :—

(a) Cicero, any oration or orations of not less than 40 chapters ;

(b) Cicero's *Epistles*, any 40 consecutive pages (Prichard and Bernard's Selection) ;

(c) Any Book of Livy.

A piece of unseen translation will be added.

*Roman Antiquities* and *Roman History*, from B.C. 133 to B.C. 31

(*Students' History of Rome*, Books VI. and VII.).

Latin Prose Composition and Grammar.

*Latin, for April and October, 1894.*

Virgil, *Æneid*, Book IX.

Propertius (Ramsay's Selection), Books II., III., IV.

Horace, *Epistles*, Book I.

Tacitus, *Annals*, Book IV.

Any one of the following :—

(a) Cicero, any oration or orations of not less than 40 chapters ;

(b) Cicero's *Epistles*, any 40 consecutive pages (Prichard and Bernard's Edition) ;

(c) Any Book of Livy.

*Roman Antiquities* and *Roman History*, from B.C. 133 to B.C. 31

(*Students' History of Rome*, Books VI. and VII.).

Unseen translation.

*Note.*—Proficiency in Latin Prose Composition and in Grammar is required.

A knowledge of the matter of the books read is required, so as to enable a student to explain and comment on the text, and explain allusions.

*Greek, for October, 1893.*

Homer, *Odyssey*, Book IX., or *Iliad*, Book XVI. or XXII.

Aeschylus, *Prometheus* or *Choephoroi* ; or Sophocles, *Antigone* ; or Aristophanes, *Eirene*.

Thucydides, Book IV., 1-41.

Plato, *Apology* ; or Aristotle, *Poetics*, chapter I.-XXIII., inclusive, omitting XX. and XXI.

Unseen translation and Composition.

History of Greece ; either chap. I.-XX. in Oman's *History* ; or chap. XXI.-XXXV. (i.e., 478-404 B.C.).

Questions on Greek Grammar, Literature, History, and Antiquities.

*Greek, for April and October, 1894.*

Horace, *Odyssey*, Book IX., or *Odyssey*, Book IV., 1-620.

Aeschylus, *Persae* ; or Sophocles, *Antigone*.

Demosthenes, *Against Leptines*.

Plato, *Republic*, Book I. and Book II. (down to 367 E.) ; or Aristotle, *Poetics*, chapter I.-XXIII., inclusive, omitting XX. and XXI.

Unseen translation and composition.

History of Greece ; either chap. I.-XX. in Oman's *History* ; or chap. XXI.-XXXV. (i.e., 478-404 B.C.).

Questions on Greek Grammar, Literature, History, and Antiquities.

*Note.*—Under the New Regulations more importance than has hitherto been usual will be attached to Greek Composition.



B. DEPARTMENT OF MENTAL PHILOSOPHY.

*Logic.*

The Professor's Lectures, and *Institutes of Logic*. (Large Print only).

*Moral Philosophy.*

The Professor's Lectures during the session in which the student examined has attended the Moral Philosophy Class; and the text-book, if any, used in the class during that session.

*English Literature.*

October, 1893.

- A. For students who attended in session 1891-92 :—(1) English Composition, and (for Senior Class) English Philology; (2) History of English Poetical Literature during the age of Shakespeare, with special reference to *Hamlet*, *Macbeth*, *Cymbeline*, *As You Like It*, and Nimmo's *British Dramatists* (omitting *Every Man in his Humour*, *Knight of the Burning Pestle*, *Virgin Martyr*, and the plays by Ford and Shirley); (3) (a) Chaucer's *Prologue* (Clarendon Press), (b) Arnold's Selections from Wordsworth, or Coleridge's *Ancient Mariner*, *Christ-abel*, *Odes on France and Dejection*.
- B. For students of session 1892-93 :—(1) as in A; (2) History of English Poetry, from Cowper to Keats (text-book, Ward's *English Poets*, vol. 4); (3) (a) *Macbeth* (Clar. Press); (b) Green's *Essays by Addison* (Macmillan).

Students of Sessions prior to 1891-92 can take either paper, *but no third paper will be set.*

April and October, 1894.

- A. For students of session 1892-93; the subjects of that session specified above under B.
  - B. For students of session 1893-94; the subjects specified on p. 56 (with any modification or addition made during session).
- Students of sessions prior to 1892-93 can take either of these two papers, *but no third paper will be set.*

C. DEPARTMENT OF MATHEMATICS.

*Mathematics.*

Euclid, First Six Books, and Book XI., 1-21.

Algebra, including Quadratic Equations, Progressions, and Binomial Theorem.

Plane Trigonometry, including the solution of Triangles by the aid of Logarithmic Tables.

*Natural Philosophy.*

Examination on the Subjects explained in the Class, including Astronomy. On the elements of Statics and Dynamics, with the solution of Problems not requiring the Differential or Integral Calculus; Experimental Science, including Sound, Light, Heat, Electricity, and Magnetism.

Names of candidates to be given in to the Assistant-Clerk (Matriculation Office) on 2nd October, 1893, or 10th March, 1894.<sup>1</sup>

<sup>1</sup> When names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the candidate can be admitted to examination. A candidate is not held to be entered for the examination until his Name is entered, the Fee paid, and all the necessary certificates, etc., lodged.

### Diploma for Teachers.

This Diploma is open to all students who are preparing themselves for the teaching profession, and who, besides fulfilling the conditions laid down by the Scotch Education Department for a Certificate of competency, shall, in addition, go through a course of study, and pass the corresponding examinations, at the University.

The following are the regulations for the Diploma:—

1. No candidate will be allowed to reckon attendance on any University Class as qualifying for the Diploma unless he produce evidence of having previously passed one or other of the following examinations, or any other examination accepted by the Senate as equivalent to such examinations—

(1) The entrance examination conducted at the Training Colleges with a view to certifying Queen's Scholars as able to profit by University attendance ;

(2) The Preliminary Examination in Arts (with a view to the three years' course) in not less than two subjects.

2. Candidates for the Diploma must have completed attendance, and passed all the ordinary class examinations, in at least Five subjects out of the following list, viz.:—*Latin, Greek, Mathematics, Logic, English Literature, Moral Philosophy, Natural Philosophy.*

3. Attendance on the Junior Classes of Latin, Greek, or Mathematics, do not qualify for the Diploma.

4. After completing attendance and passing the ordinary class examinations in each subject, candidates for the Diploma are required to pass a further examination in the subject of each class so attended.

5. The examinations for the Diploma, in each subject, are the same as those held for the Degree of M.A. in the corresponding subjects, but with the following differences—(1) Candidates are allowed to enter for each subject separately, instead of being obliged to take all the subjects of a Department at once ; and (2) In Latin and Greek no books are prescribed, and candidates are only required to pass in the papers in Grammar, Composition, and Unseen Translation.

6. As soon as convenient after the examination in each subject, a list will be issued containing the names of all those who have passed in that subject, arranged in two classes, the lower class denoting a Pass only, the higher class a Pass with superior merit. But no certificates of having passed in single subjects are given to the candidates, until they have gone through the entire course required for the Diploma.

7. Every candidate who has attended not less than five of the classes named above, and passed the corresponding examinations, will be entitled to the Teachers' Diploma as soon as he shall produce evidence that he has received a certificate of competency as a teacher from the Education Department.

8. The Diploma shall bear that it is a Teachers' Diploma granted by the University, and issued only to such candidates as hold a Certificate of Competency from the Department; and it shall enumerate the subjects in which the bearer has given attendance and passed examinations at the University, and state in which degree of merit he has been placed in each.

9. All students who have attended or who may attend any of the Classes enumerated above, having fulfilled the necessary conditions, from and after the Session 1887-88 inclusive, will be permitted to count such attendance with a view to the Diploma; and the examinations held at the close of the Session 1887-88 and thereafter will be counted for the Diploma.

10. A register will be kept, from and after the Session 1887-88, of all candidates entering for the Diploma, in which the names of all students passing the Teachers' Examination in any subject will be noted, with the degree of merit which they have attained in each subject.

11. The Fee for the Diploma, to be paid when the Diploma is delivered, will be £2 2s.; but no Fee will be charged upon entering for any of the examinations.

12. Candidates for the Diploma must enter their names, and lodge the necessary certificates, etc., with the Assistant-Clerk (Matriculation Office) at the same time as candidates for the M.A. Degree, not later than the 2nd October or the 10th of March respectively.

---

## 2.—GRADUATION IN SCIENCE.

The Universities Commissioners (1889) have ordained that two Degrees in Science may be conferred by each of the Universities of Scotland—viz., Bachelor of Science (B.Sc.) and Doctor of Science (D.Sc.). These Degrees may be given in Pure Science and in Applied Science.

### Degrees in Pure Science.

The following are the provisions of Ordinance No. 12 as they apply to this University:—

I. Two Degrees in Science may be conferred by the University of Glasgow—viz., Bachelor of Science (B.Sc.) and Doctor of Science (D.Sc.).

II. Every candidate for the Degree of Bachelor of Science must pass the Preliminary Examination prescribed by Ordinance No. 11 (Regulations for Degrees in Arts); and the conditions with respect thereto imposed by that Ordinance (see pp. 121-123) are applicable in all respects to Ordinance No. 12, except as follows:—(1) French or German may be substituted for Latin or Greek; (2) Mathematics must be passed on the higher standard; (3) a degree in Arts (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any

Colonial or Foreign University, specially recognised for the purpose by the University Court after consultation with the Senatus, exempts from the Preliminary Examination.

III. (1) Candidates for the Degree of Bachelor of Science must, in the course of not less than three academical years, attend at least seven courses of instruction, in subjects prescribed for examination under Sections VIII. and IX. below.

(2) Three of these courses must be in subjects prescribed for the First Science Examination under Section VIII.; and four must be in subjects prescribed for the Final Science Examination under Section IX.

IV. (1) Four of the seven courses must be taken in this University.

(2) Three may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science:—Provided that the fees for attendance at an approved Institution or under a recognised teacher in Glasgow shall not be less than the fees exigible for the corresponding courses in the University.

V. All candidates, not matriculated students of the University, availing themselves of the permission to attend lectures at approved Institutions or by recognised teachers in Glasgow, shall at the commencement of each year of such attendance enrol their names in a book to be kept for that purpose in the University, paying a fee of the same amount as the Matriculation Fee paid by students of the University, and having in respect of such payment a right to the use of the Library of the University.

VI. (1) The Senatus determines from time to time the number of meetings of which a full course in any subject shall consist, and reports its determination to the University Court for its approval.

(2) The Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings which constitute a full course in the subject; but two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) It is the duty of each Professor and Lecturer annually at the end of each winter session to submit to the Senatus a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus transmits such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(4) It is the duty of the Professors and Lecturers annually at the end of each winter session to submit to the Faculty of Science, for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next Academical Year. The Faculty of Science transmits such syllabus, with such observations as it may think fit to make thereon, to the Senatus for its approval.

Provided that until the Faculty of Science shall be duly constituted, the syllabus shall be submitted by the Professors and Lecturers directly to the Senatus.

VII. The provisions of the preceding section do not apply to approved

Institutions or recognised teachers outside Glasgow; but the University Court shall not grant or continue recognition to any Institutions or teachers unless they shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

VIII. (1) There is a First Science Examination in the three following subjects—viz., (1) Mathematics or Biology (*i.e.*, Zoology and Botany); (2) Natural Philosophy; (3) Chemistry.

(2) The examination in all these subjects is the same as the examination in these subjects for the ordinary degree of Master of Arts.

(3) Candidates may present themselves in any one or more of these subjects at any examination held after they have attended a full course in the subject or subjects professed.

IX. (1) There is a Final Science Examination on a Higher Standard in any three or more of the following subjects:—

- |   |  |
|---|--|
| 1. Mathematics.                           | 6. Physiology.                             |
| 2. Natural Philosophy.                    | 7. Geology, including Mineralogy.          |
| 3. Astronomy.                             | 8. Zoology, including Comparative Anatomy. |
| 4. Chemistry.                             |  |
| 5. Human Anatomy, including Anthropology. | 9. Botany, including Vegetable Physiology. |

(2) The standard of this examination shall be as nearly as possible equivalent to that of the examination for the degree of Master of Arts with Honours, where the subjects are different; and where the subjects are the same the examination shall be identical.

(3) A subject already taken under the preceding section for the First Science Examination may be taken also under this section for the Final Science Examination.

(4) Candidates presenting themselves for this examination must have attended four full courses of higher instruction, including practical or laboratory work, in the subjects professed, subject always to the provisions of Sections VI. and VII. hereof.

(5) The Final Science Examination shall be taken not less than one year after the candidate has passed the First Science Examination.

X. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint, and in every case the Senatus shall make a report to the University Court setting forth the reasons for the relaxation.

XI. A candidate for the degree of Bachelor of Science shall not be deemed to have attended a class as part of the curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XII. It is competent to the Examiners for the degree of Bachelor of Science to report that a candidate has passed with special distinction in one or more of the subjects professed by him: and in such



a case a diploma shall be given setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.

#### DEGREE IN APPLIED SCIENCE.

XIII. Degrees in Applied Science may be instituted and conferred according to regulations to be laid down in special Ordinances applicable to each University by the Commissioners under the Universities (Scotland) Act, 1889; or after the expiry of their powers by the University Court in each University.

XIV. The provisions of Sections II. to VIII. of this Ordinance inclusive, in so far as they relate to the Preliminary and First Science Examinations, shall be applicable in all respects to degrees in Applied Science instituted as aforesaid, except where special provision is made to the contrary in the special Ordinances aforesaid.

#### DOCTORATE OF SCIENCE.

XV. Graduates of any University who have held the degree of Bachelor of Science for a term of five years, may offer themselves for the degree of Doctor of Science in the same University.

XVI. A candidate for the degree of Doctor of Science shall present a thesis or a published memoir or work to be approved by the Senatus (on the recommendation of the Faculty of Science when duly constituted): Provided that, if required by the Senatus, the candidate shall also be bound to pass such an examination as may from time to time be determined.

The thesis shall be a record of original research undertaken by the candidate, and shall be accompanied by a declaration, signed by him, that the work has been done and the thesis composed by himself.

#### GENERAL.

XVII. A Student who, at the time when this Ordinance shall come into operation, shall have completed a part of his course of study with a view to graduation in Science in any of the Scottish Universities under regulations in force at the time in such University, and shall thereafter complete his course of study and pass the necessary examinations in conformity with such regulations,<sup>1</sup> or with the provisions of this Ordinance, may become a candidate for the degree of Bachelor of Science.

XVIII. The degrees of Bachelor and Doctor of Science shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

XIX. This Ordinance came into force on 1st October, 1892.

<sup>1</sup> Students who began their course previous to 1890 may qualify themselves for the Degree of B.Sc. under the old regulations which are given in the University Calendar for 1884-85; those who began in 1890, or 1891, or 1892, may qualify under the regulations contained in the Calendar for 1892-93.

### Degrees in Science in Engineering.

I. Two Degrees in Science in Engineering may be conferred by the University of Glasgow, viz., Bachelor of Science in Engineering and Doctor of Science in Engineering.

II. Every candidate for the degree of Bachelor of Science in Engineering must pass the Preliminary Examination prescribed by Ordinance No. 11 (Regulations for Degrees in Arts); and the conditions with respect thereto imposed by the said Ordinance (see pp. 121-123) are applicable in all respects to this Ordinance except as follows:—(1) French or German may be substituted for Latin or Greek; (2) Mathematics must be passed on the higher standard; (3) a degree in Arts (not being a degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University, specially recognised for the purpose by the University Court after consultation with the Senatus Academicus, exempts from the Preliminary Examination; (4) the Preliminary Examination must be passed before the candidate presents himself for any part of the First Science Examination, but not necessarily before the candidate enters on his curriculum.

III. Candidates must in the course of not less than three Academical years attend at least the nine courses of instruction, prescribed under Section IX. below.

IV. (1) Five of the nine courses must be taken in this University. One of these courses must be a course in Engineering.

(2) Four may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science in Engineering:—Provided that the fees for attendance at an approved Institution in Glasgow or under a recognised teacher there shall not be less than the fees exigible for the corresponding courses in the University of Glasgow.

V. It is competent to the University Court to admit to the examinations for the degree of Bachelor of Science in Engineering, and to graduation, any candidate who presents the diploma of the Glasgow and West of Scotland Technical College, and who has passed the Preliminary Examination hereinbefore appointed: Provided that before such candidate shall be admitted to the Final Science Examination prescribed under Section XI. hereof:—

- (1) He shall, after having received the said diploma, have attended in this University at least three full courses, during at least one Academical year; and of these courses one at least shall be in Engineering.
- (2) He shall, after having received the said diploma, have attended in this University such courses as will, along with the classes taken at the said College for the said diploma, be equivalent to the whole courses for the curriculum hereinafter instituted.

VI. The University Court may make regulations to enable candidates not matriculated students of the University availing themselves of the permission to attend lectures at approved institutions or by recognised teachers in Glasgow, to obtain on payment of a fee not exceeding in

amount the Matriculation Fee paid by the students of the University, a right to the use of the Library of the University.

VII. (1) The Senatus determines from time to time the number of meetings of which a full course in any subject shall consist, and reports its determination to the University Court for its approval.

(2) The Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings which constitute a full course in the subject; and two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) It is the duty of the Professors and Lecturers annually at the end of each winter session to submit to the Senatus a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus shall transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(4) It is the duty of the Professors and Lecturers annually at the end of each winter session to submit to the Faculty of Science, for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next Academical year. The Faculty of Science shall transmit such syllabus, with such observations as it may think fit to make thereon, to the Senatus for its approval: Provided that until the Faculty of Science shall be duly constituted, the syllabus shall be submitted by the Professors and Lecturers directly to the Senatus.

VIII. The provisions of the preceding section do not apply to approved Institutions or recognised teachers outside Glasgow; but the University Court shall not grant or continue recognition to any Institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the University of Glasgow.

IX. The subjects of study shall be as follows:—

1. Mathematics, including Analytical Geometry, and Differential and Integral Calculus.
2. Natural Philosophy, including Applied Higher Mathematics.
3. Chemistry.
4. A course in the Physical Laboratory, or in the Chemical Laboratory, or of Practical Chemistry.

and either:—

- 5, 6. Two courses in Engineering, including Laboratory Practice.
- 7, 8. Two courses of practical work in Drawing.

9. A course in one of the following:—

- (a) Astronomy and Geodesy.
- (b) Geology and Mineralogy.
- (c) Naval Architecture.
- (d) Engineering Laboratory, Mechanical or Electrical (Special Course).
- (e) Electricity—Pure and Applied.

or :—

5, 6. Two courses in Naval Architecture with Marine Engineering.

7, 8. Two courses of practical work in Ship and Engineering Drawing.

9. A course in Engineering, including Laboratory Practice.

Provided that during the three years immediately subsequent to the date on which this Ordinance shall come into force, the courses in Engineering herein prescribed shall not necessarily include Laboratory Practice.

X. (1) There shall be a First Science Examination in subjects 1, 2, 3, and 4 of the Section immediately preceding.

(2) The examination in (1) Mathematics and (2) Natural Philosophy shall include the higher branches of Mathematics specified under Mathematics and the higher Mathematics included under Natural Philosophy in the Section immediately preceding; but it shall be optional to candidates to pass the same examination in either or both of these subjects as that required for the ordinary Degree of Master of Arts: Provided that in that case they shall be required before graduation to pass a subsequent examination in the remainder of the subject or subjects.

(3) Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course in the subject or subjects professed.

XI. (1) There shall be a Final Science Examination in subjects 5, 6, 7, 8, and 9 of Section IX. hereof; and, if required, in the higher branches of Mathematics as provided in Section X., Subsection 2 hereof.

(2) Candidates may present themselves in any one or more of these subjects at any examination held after they have passed the First Science Examination and have attended the required courses in the subject or subjects professed: Provided that for this purpose subjects 5, 6, 7, and 8, specified in Section IX. hereof, shall be deemed one subject.

XII. A candidate for the degree of Bachelor of Science in Engineering shall not be deemed to have attended a class as part of the curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XIII. It is competent to the Examiners for the degree of Bachelor of Science in Engineering to report that a candidate has passed with special distinction in one or more of the subjects professed by him; and in such a case a diploma shall be given setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.

XIV. It is competent to the University Court of the University of Glasgow to modify from time to time the provisions as to curriculum hereinbefore contained, in case such modification shall be rendered desirable by the development of Engineering Science, or in consequence of further provisions having been made within or without the University for the study of any special branch of the said Science: Provided that in no case shall the number of full courses of study required be less than the number required for the degree of Bachelor of Science in Pure Science, as specified in Ordinance No. 12.

## DOCTORATE OF SCIENCE IN ENGINEERING.

XV. Graduates of the University of Glasgow who have held the degree of Bachelor of Science in Engineering for a term of five years, may offer themselves for the degree of Doctor of Science in Engineering in the said University.

XVI. A candidate for the degree of Doctor of Science in Engineering shall present a thesis or a published memoir or work to be approved by the Senatus (on the recommendation of the Faculty of Science when duly constituted): Provided that, if required by the Senatus, the candidate shall be bound to pass such an examination as may from time to time be determined.

The thesis shall be a record of original research undertaken by the candidate, or of important engineering work designed by himself, and actually carried out, and shall be accompanied by a declaration, signed by him, that these conditions have been satisfied.

## GENERAL.

XVII. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary examinations, shall be entitled to receive the degrees of Bachelor of Science in Engineering and Doctor of Science in Engineering, as the case may be, on payment of the Fees required.

XVIII. A student who, at the time when this Ordinance shall come into operation, shall have completed a part of his course of study with a view to graduation in Science in Engineering in the University of Glasgow, under regulations in force at the time therein, and shall thereafter complete his course of study and pass the necessary examinations in conformity with such regulations,<sup>1</sup> or with the provisions of this Ordinance, may become a candidate for the degree of Bachelor of Science in Engineering.

XIX. The degrees of Bachelor and Doctor of Science in Engineering shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

XX. This Ordinance came into force from and after the date on which it was approved by Her Majesty in Council.

<sup>1</sup> Students who began their course previous to 1890 may qualify themselves for the degree of B.Sc. in Engineering under the old regulations which are given in the University Calendar for 1884-85; those who began in 1890, 1891, or 1892 may qualify under the regulations contained in the Calendar for 1892-93.



# TABLE OF EXAMINATIONS FOR DEGREE OF B.Sc., TO BE HELD DURING SESSION 1893-94.

Names to be given in and Fees paid to Assistant-Clerk (Matriculation Office). Date. <sup>1</sup>	Fee.	Dates of Written Examinations and Hours at which the different Papers will be set. The Oral Examinations in Science follow immediately after the Written.			
		10s. 6d. for each subject until £3 3s.			
21st Sept., 1893		{ Sat., 7th Oct., Astronomy, Mon., 9th " Zoology, Tues., 10th " Engineering Drawing, etc., Tues., 10th " Civil Engineering, Wed., 11th " Mathematics, Fri., 27th " Natural Philosophy, { Sat., 28th "	10 a.m. 10 a.m. 10 a.m. 10 a.m. 10-1 p.m., and 2-5 p.m. 10-1 p.m., and 2-5 p.m.	Geology, Botany, Naval Architecture, Physiology, Civil Engineering, 10-1 p.m., and 2-5 p.m.	1 p.m. 12.30 p.m. 12.30 p.m. 12.30 p.m. 12.30 p.m.
7th Mar., 1894		{ Mon., 26th Mar., Astronomy, Tues., 27th " Zoology, Wed., 28th " Engineering Drawing, etc., Wed., 28th " Civil Engineering, Fri., 30th " Mathematics, Fri., 12th April, Natural Philosophy, { Sat., 14th "	10 a.m. 10 a.m. 10 a.m. 10 a.m. 10-1 p.m., and 2-5 p.m. 10-1 p.m., and 2-5 p.m.	Geology, Botany, Naval Architecture, Physiology, Civil Engineering, 10-1 p.m., and 2-5 p.m.	1 p.m. 12.30 p.m. 12.30 p.m. 12.30 p.m. 12.30 p.m.

<sup>1</sup> When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be admitted to examination. A Candidate is not held to be entered for the examination until his Name is entered, the Fee paid, and all the necessary Certificates, etc., lodged.

For dates in regard to Science Preliminary Examination see page 124.

*Certificate of Proficiency in Engineering Science.*

Certificates of Proficiency in Engineering Science will be granted to students who shall have gone through the following course of study, practical work, and examinations, to the satisfaction of the Board of Examiners :—

*Ordinary Course for the Certificate of Proficiency in Engineering Science.*

## FIRST YEAR—

Inorganic Chemistry, 5 days weekly, beginning in Oct., 10 A.M.

(*Chemical Laboratory may be taken in this or any other year, Winter or Summer Session, if selected as part of the course. See below :—*  
*Third Year.*)

Mathematics,<sup>1</sup> First or Second Class, 5 days weekly, - - - - - 9 A.M. or 12 noon.

Engineering, Class I., Mondays, Wednesdays, and Fridays, - - - - - 8 A.M.

Engineering Drawing and Calculations.

## SECOND YEAR—

Natural Philosophy, { 5 days weekly, - - - 9 A.M.  
Also recommended, if practicable, Tues. and Thur., - 11 A.M.

Mathematics, Second or Third Class, 5 days weekly, - - - - - 10 A.M. or 9 A.M. or 12 noon.

Geology and Mineralogy, 5 days weekly, beginning in January, - - - - - 5.30 P.M.

Engineering, Class II. or III., Tuesdays, Thursdays, and Saturdays (in this or other year), 8 A.M.

Engineering Drawing and Calculations.

## THIRD YEAR—

Third Mathematics, if not previously attended, 5 days weekly, - - - - - 10 A.M.

Physical Laboratory, about 2 hours on 3 days weekly, or Chemical Laboratory, 5 days weekly ; or the Chemical Laboratory can be attended in any year in summer instead.

Engineering, Class IV., 5 days weekly, - - - 9 A.M.

No candidate is admitted to the special Examination for the Certificate, in any department, till he has attended the prescribed course of study in that department.

Attendance on the classes of Mathematics, Natural Philosophy, Chemistry, or Geology, in any Chartered University in the United Kingdom having the power of granting degrees, is admitted as part

<sup>1</sup> Students who, on entering the University, show themselves qualified to enter the Third Mathematical Class, by passing the mathematical part of the Preliminary Examination in Arts are not required to attend the First or the Second Class of Mathematics.

of the course for the above-mentioned certificate ; but all examinations for the certificate must be passed in this University.

Candidates for Certificates of proficiency in Engineering Science, who are graduates in Arts of any Chartered University of the United Kingdom, are exempted from study and examination in Mathematics and Natural Philosophy.

The Fee for the Certificate in Engineering Science is One Guinea.

### 3.—HIGHER DEGREES IN LETTERS AND PHILOSOPHY.

The Senate having had under consideration proposals for the Degrees of Doctor in Letters (D.Litt.), and Doctor in Philosophy (D.Phil.), are of opinion that these Higher Degrees should be instituted in the University. It is not clear, however, that the University itself has power to institute those Degrees. The Senate have had negotiations with the University of Edinburgh regarding this matter, and are glad to be able to say that the two Universities are in substantial agreement on this subject, and also as to the conditions on which the degrees should be conferred. The Senate trust that they may be in a position at an early period, in conjunction with the University of Edinburgh, to bring the matter before the Universities Commissioners who have been appointed under the Act of 1889, with a view to a final determination. Meanwhile the Senate are desirous of stating the conditions on which they have resolved that the Higher Degrees should be conferred, in order that candidates who are looking forward to them may be aware of the terms on which they will be granted. These conditions are as follows :—

(1) That the degrees of D.Litt. and D.Phil. should be open to those who have graduated with first or second class honours in Classics or Philosophy respectively ; and to those who at a period subsequent to their taking the M.A. degree have passed an examination equivalent to the examination for honours. (This last provision is introduced to meet the case of those who have been prevented by ill-health, or other causes, from taking honours at the proper time.)

(2) That the degrees of D.Litt. and D.Phil. should be open to graduates with honours five years after the date of graduation as M.A., and in the case of ordinary graduates the date of passing an examination equivalent to the examination for honours.

(3) That every candidate for the degree of D.Litt. or of D.Phil. should be required to state what line of study or investigation he has followed since taking the degree of M.A. and to submit a thesis upon a subject approved by the Senate, and, in addition, to undergo an examination in some special branch of his department of Arts ; and that in such thesis and examination he should be expected to give proof of special study or original research, and that the claims of each candidate should be specially reported on by two Professors or other qualified persons before the degree is conferred.

(4) That in special cases, when the candidate is able to refer to a book or other publication in which he has made important contributions to the knowledge of his subject, the Senate should, if they see fit, dispense with the test of examination ; but that in all such cases a special Committee should be appointed to report on the claims of the candidates, and the Senate should confer the degree only on the recommendation of such Committee.

(5) That in addition to the examinations in Arts, examinations should be instituted in English Language and Literature, in Oriental Languages, and in any other subjects which may in future be embraced in any department of the M.A. degree ; and that candidates who have taken that degree, and who in such examinations have attained a standard of proficiency corresponding to that of first or second class honours in Arts, should be entitled to become candidates for the degree of D.Litt., by thesis and examination, on the same terms with those who have passed with honours in Arts.

The above rules sufficiently indicate the general plan of the Examinations for the Higher Degrees ; but by way of showing more exactly their nature, the following subjects may be suggested:—

#### FOR THE DEGREE OF D.LITT. IN CLASSICS.

A candidate for the degree of Doctor of Letters, who founds his claim on attainments in Classical Scholarship, will be required to send in a thesis, embodying the results of original work in some one of the following departments :—

- |                        |  |                |
|------------------------|--|----------------|
| 1. Ancient Philosophy. |  | 3. Archæology. |
| 2. History.            |  | 4. Language.   |

The Classical Examination for the degree of Doctor of Letters shall include :—

1. Passages for translation, selected from the best Greek and Latin authors. No authors shall be specially set for a given occasion, but the examiners shall be free to choose the passages from the whole range of the Classical Literatures.

2. Passages for translation from English into Greek and Latin Prose.

Passages for translation from English into Greek and Latin verse. But a candidate who does not take up Verse Composition shall have some other exercise appointed for him ; viz., an essay, or such other alternative as the examiners may approve.

3. Questions on Greek Grammar and Criticism. Questions on Latin Grammar and Latin Criticism.

4. Questions on Greek History (including the History of Literature) and Greek Antiquities. Questions on Roman History (including the History of Literature) and Roman Antiquities.

## FOR THE DEGREE OF D.LITT. IN ORIENTAL LANGUAGES.

*Semitic Branch.*

Subjects proposed for examination in Semitic Philology :—

1. *Hebrew*.—The Books of Isaiah and Psalms. Translation into Hebrew.
2. *Syriac*.—The Gospels and the Acts of the Apostles in the Peshitâ Version. Translation into Syriac.
3. *Arabic*.—The three first Suras of the Koran. The book of Proverbs in Van Dyck's version of the Bible. Translation into Arabic.

## FOR THE DEGREE OF D.PHIL. IN PHILOSOPHY.

1. The Philosophy of Aristotle. The candidate should be expected to show direct acquaintance with the Philosophical works of Aristotle ; and with the views of the most important of the modern critics of his philosophy.
2. Mediæval Philosophy ; its origin, development, and influence on modern thought, philosophical and theological.
3. The relation of Logic and Metaphysics—with special reference to the Organon and Metaphysics of Aristotle and modern systems of Logic, including the Logic of Hegel. Candidates should be expected to show thorough acquaintance with the discussions upon the nature of knowledge by modern authors.
4. Modern Psychology. Candidates should be expected to show acquaintance with the whole development of Psychology from the time of Kant ; and to have studied the discussions on Psychophysics which have taken place up to the present time.
5. Modern Ethics—with special reference to the application of the idea of Development to Ethics. Candidates should be expected to show a thorough knowledge of the discussions of this subject up to the present time.
6. Philosophy in Britain from Locke to the present time.

## 4.—GRADUATION IN MEDICINE AND SURGERY.

The Degrees in Medicine and Surgery conferred by this University are all recognised by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

Every student who began his medical studies previous to 1st January, 1892, is entitled to graduate under the system in force before or after that date, according as he shall comply with the regulations in force in the University before<sup>1</sup> or after that date. All others must fulfil the requirements of the new Ordinance—(Ordinance No. 14, Glasgow No. 1, Regulations for Degrees in Medicine)—the principal provisions of which are as follows :—

I. Four degrees in Medicine and Surgery are conferred by the University of Glasgow, viz., Bachelor of Medicine (M.B.), Bachelor of Surgery

<sup>1</sup> These regulations are printed at pp. 165-169.



(Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The degree of Bachelor of Surgery shall not be conferred on any person who does not at the same time obtain the degree of Bachelor of Medicine, and the degree of Bachelor of Medicine shall not be conferred on any person who does not at the same time obtain the degree of Bachelor of Surgery.

II. Subject to regulations to be made from time to time by the University Court, the University may also confer diplomas in Special Branches of Medical and Surgical Practice on graduates of the University in Medicine and Surgery.

III. Before commencing his medical studies, each student must pass a preliminary examination<sup>1</sup> in (1) English, (2) Latin, (3) Elementary Mathematics, and (4) Greek or French or German: provided always that, in the case of a candidate whose native language is not English, an examination in the native language of the candidate may be substituted for one in either French or German, and an examination in any other classical language for one in Latin or Greek.<sup>2</sup>

IV. The extent and standard of the preliminary examination shall be determined by the Joint Board of Examiners constituted under Ordinance, General, No. 8—[Regulations as to Examinations]—in accordance with the terms of that Ordinance.

Under this Section the Joint Board have determined that for the Medical Preliminary Examination in October, 1893, the papers set in Latin, Greek, and Mathematics, shall be the same as those set on the lower standard in these subjects in the Arts Preliminary Examination; and that the papers set in English, French, and German, shall be of a lower standard than those set in these subjects in the Preliminary Examination in Arts. A candidate for the Medical Preliminary may take the papers set on the higher standard for the Arts Preliminary in any of the subjects, and if he obtains a satisfactory percentage of marks, he shall be held to have passed the Medical Preliminary in these subjects.

V. The preliminary examination is conducted in accordance with the provisions of Ordinance, General, No. 8—[Regulations as to Examinations]—and, subject to the provisions of the immediately succeeding section hereof, the entire examination must be passed at one and the same time.

VI. A degree in Arts, or in Science (not being a degree *honoris causa tantum*), in any of the Universities of the United Kingdom, or in any

<sup>1</sup> A Local Centre in connection with this Examination has been established in the University College of North Wales, Bangor. Candidates who prefer to sit for examination there must intimate their desire when returning schedule of entry to Glasgow. Such Candidates are required, on taking their seats at Bangor, to pay to the College Authorities there a special fee of 5s. This is in addition to the ordinary fee, payable at Glasgow, as mentioned at page 124. The examinations are held simultaneously in Bangor and Glasgow.

<sup>2</sup> The candidate for the Degrees of Medicine and Bachelor of Surgery must have been registered in the books of the General Medical Council at least five years prior to the date of his graduation. In order to be so registered he must transmit to James Robertson, Esq., the Scottish Branch Registrar, 1 George Square, Edinburgh, together with a printed form of application which may be obtained from the Assistant-Clerk (Matriculation Office), a certificate of having passed the Preliminary Examination.

Colonial or Foreign University specially recognised for the purpose by the University Court, shall exempt from the preliminary examination; and the Joint Board of Examiners appointed under the provisions of Ordinance, General, No. 8—[Regulations as to Examinations]—shall have power to determine what examinations, other than those for the degrees hereinbefore mentioned, shall be accepted, either in whole or in part, in place of the preliminary examination.

Under this Section the Joint Board have determined:—(a) to accept such Certificates as may have been obtained previous to October, 1892, as equivalent to the Preliminary Examination in Medicine for October, 1893, provided that such Certificates would have been accepted for this purpose under the regulations in force at this University in October, 1892; (b) to accept the Leaving Certificates of the Scotch Education Department in any Grade, whether obtained this year or at an earlier date as equivalent to the Preliminary Examination in Medicine in October, 1893; and (c) to accept the Examinations of certain Universities and Colleges as equivalent to the Preliminary Examination in Medicine in October, 1893, and thereafter, provided always that the regulations of the General Medical Council regarding the registration of students of Medicine be complied with. A list of these Examinations will be found in Appendix II.

#### PROFESSIONAL EDUCATION.

VII. Candidates shall be admitted to the degree of Bachelor of Medicine and Bachelor of Surgery only after they have fulfilled the following conditions:—

1. The candidate must have been engaged in medical study for at least five years.
2. In each of the first four years the candidate must have attended at least two courses of instruction, in one or more of the subjects of study specified in Sub-section 4 hereof—each course extending over a session of not less than five months, either continuous or divided into two terms; or, alternatively, one such course, along with two courses, each extending over a session of not less than two and a half months.
3. During the fifth or final year the candidate shall be engaged in clinical study for at least nine months at one or more of such public hospitals or dispensaries, British or Foreign, as may be recognised for the purpose by the University Court.
4. The candidate must, during his curriculum, have attended a course or courses of instruction in each of the following subjects of study, including such examinations as may be prescribed in the various classes, viz.:—

- |                             |   |
|-----------------------------|---|
| 1. ANATOMY, - - - - -       | { During a course of not less than five months.         |
| 2. PRACTICAL ANATOMY, - - - | { During two courses of not less than five months each. |

- |  |   |  |
|--|---|--|
| 3. CHEMISTRY, - - - - -  | } | During courses of not less than five months.           |
| 4. MATERIA MEDICA and THERAPEUTICS, - - - - -  |   |  |
| 5. PHYSIOLOGY or INSTITUTES OF MEDICINE, - - - - -   |   |  |
| 6. PRACTICE OF MEDICINE, - - - - -   |   |  |
| 7. SURGERY, - - - - -  |   |  |
| 8. MIDWIFERY and the DISEASES peculiar to WOMEN and INFANTS. Two courses of Midwifery, of three months each, provided different departments of Obstetric Medicine be taught in each of the courses, shall be reckoned equivalent to a course of not less than five months, - - - - - | } |  |
| 9. PATHOLOGY, - - - - -  |   |  |
| 10. PRACTICAL CHEMISTRY, - - - - -   |   |  |
| 11. PHYSICS (including the DYNAMICS OF SOLIDS, LIQUIDS, and GASES, and the RUDIMENTS OF SOUND, HEAT, LIGHT, and ELECTRICITY), - - - - -  | } | During courses of not less than two and a half months. |
| 12. ELEMENTARY BOTANY, - - - - -   |   |  |
| 13. ELEMENTARY ZOOLOGY, - - - - -  |   |  |
| 14. PRACTICAL PHYSIOLOGY, - - - - -  |   |  |
| 15. PRACTICAL PATHOLOGY, - - - - -   |   |  |
| 16. MEDICAL JURISPRUDENCE and PUBLIC HEALTH, - - - - -   |   |  |

Provided always, in so far as regards the University of Glasgow, that—

(a) It shall be the duty of the Senatus to determine from time to time the number of meetings of which such courses shall consist, and in what cases two half courses shall be deemed equivalent to a full course; and to report the determination to the University Court for its approval.

(b) It shall be the duty of the Professors and Lecturers to submit to the Senatus annually at the end of the winter session a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus shall transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(c) The University Court shall not grant or continue recognition to any institutions or teachers unless it shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

5. The candidate must have attended for at least three years the Medical and Surgical Practice of a General Hospital at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons, and is recognised for the purpose by the University Court.<sup>1</sup>

<sup>1</sup> On 7th October, 1892, the University Court recognised every General Hospital in the United Kingdom which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons.

6. The candidate must have attended Clinical Surgery during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Surgery, or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary surgeons of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
7. The candidate must have attended Clinical Medicine during a course or courses extending over not less than nine months. These courses may be conducted by the Professor of Clinical Medicine or by Professors or Lecturers appointed for the purpose by the University Court, or by the ordinary physicians of a general hospital defined and recognised as hereinbefore provided, and shall consist of regular instruction at the bedside, along with Clinical Lectures.
8. The candidate must have attended a course of instruction in Mental Diseases of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the *Senatus*, with the approval of the University Court, may from time to time determine.
9. The candidate must have attended a course of twenty-five meetings on Practical Pharmacy in a University or recognised School of Medicine, or have dispensed drugs for a period of three months in an hospital or dispensary, or in an establishment recognised by the Pharmaceutical Society.
10. The candidate must have attended, for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician or surgeon, or of a member of the London or Dublin Society of Apothecaries. He must have acted as clerk in the medical and dresser in the surgical wards of a public hospital; and must also have availed himself, to such an extent as may be required by the *Senatus*, with the approval of the University Court, of opportunities of studying, at an hospital or dispensary, *Post-mortem* Examinations, Fevers, Diseases of Children, Ophthalmology, or such other special departments as may from time to time be determined.
11. The candidate must have attended, under the superintendence of a registered medical practitioner, twelve cases of labour, or such additional number as the *Senatus*, with the sanction of the University Court, may from time to time determine; or have attended for three months the practice of a lying-in hospital, or of the maternity department of a general hospital or other public charitable institution, and have conducted personally six, or such an additional number of cases of labour as the *Senatus*, with the approval of the University Court, may from time to time determine.
12. The candidate must have been properly instructed in Vaccination at a Public Vaccination Station, by a Public Vaccinator, authorised by the proper Government Authority to grant Certificates of Proficiency in Vaccination.<sup>1</sup>

<sup>1</sup>The recognized Vaccine Departments in Glasgow are--Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.



13. No candidate for a degree shall be deemed to have attended a class as part of the Curriculum necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

VIII. With respect to the Places and Institutions at which the studies of the Candidate may be prosecuted, the following Regulations shall have effect:—

1. Two of the five years of medical study must be spent in the University of Glasgow, each year of study including always the attendances specified in Section VII., Sub-section 2.
2. The remaining three years may be spent in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University recognised for the purpose by the University Court, or in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court, each year of study during the first four years including always the attendances specified in Section VII., Sub-section 2.
3. Of the subjects of study specified in Section VII., Sub-section 4, not less than eight must be taken in the University of Glasgow, or (subject always to the provisions as to attendance contained in the immediately preceding sub-sections) in some other University of the United Kingdom, or in some Foreign or Colonial University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court, or in a College incorporated with, or affiliated to a University entitled to confer the Degree of Doctor of Medicine recognised for the purpose by the University Court: Provided always that where in any of said subjects of study two or more courses are required, the taking of one of those courses shall constitute a taking of the subject for the purpose of this sub-section.
4. The remainder of such subjects of study may (subject always as aforesaid) be taken in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court.
5. All Candidates, not Matriculated Students of the University, availing themselves of the permission to attend the Lectures of Extra-Academical Teachers in Glasgow, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by Students of the University, and having, in respect of such payment, a right to the use of the Library of the University.
6. The Fee for attendance, for purposes of graduation, on the courses of instruction of recognised Extra-Academical Teachers in Glasgow, shall be not less than the amount exigible for the corresponding courses in the University.
7. The University Court shall not recognise as qualifying for examination in any of the subjects specified in Section VII., Sub-section 4, the class of any teacher who is at the time a teacher of more than one of the said subjects, except in those cases where



Professors in the University are at liberty to teach two subjects : — Provided always that a Professor or other teacher in any endowed public College or Institution, who by the terms of his appointment is required to teach more than one subject of Medical Study therein, may be recognised under sub-section 2 of this section, as a teacher of any one of the subjects which he teaches.

8. A teacher, attendance on whose course of instruction shall, before the date of the approval of this Ordinance by Her Majesty in Council, have been recognised for the purposes of graduation in the University, shall not require to obtain a new recognition from the University Court; and attendance on the course of instruction of every such teacher may continue to be recognised as heretofore.
9. It shall be in the power of the University Court, if it shall see cause, at any time to withdraw or suspend any recognition which it may have granted.

IX. In the University of Glasgow it shall be the duty of the Professors of the subjects specified in Section VII., Sub-section 4 hereof (except Practical Anatomy and such other subjects as the Senatus, with the approval of the University Court, may from time to time determine), so to conduct the courses that Students may receive instruction sufficient for graduation in any one of the said subjects by attendance on one course of five or six months, or of two and a half or three months, as the case may be.

X. If any candidate shall, before presenting himself for his Preliminary Examination, have attended in any University of the United Kingdom, or in any University or Institution specially approved, or under any Teacher specially recognised for the purpose by the University Court, a course or courses of instruction in Physics, Chemistry, Botany, or Zoology, equivalent in the judgment of the Senatus to the qualifying course in the same subject in the University of Glasgow, such attendance shall (notwithstanding anything hereinbefore ordained) be held as entitling him to be examined in these subjects; and if the candidate shall have attended such course or courses in each of the said subjects, he shall be held to have completed his first year of Medical Study: Provided always that the evidence of such attendance at such equivalent course or courses shall be presented to the Senatus at the time when the candidate presents himself for his Preliminary Examination; and the Senatus shall, if satisfied, grant a certificate to that effect.

#### PROFESSIONAL EXAMINATION FOR THE DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY.<sup>1</sup>

XI. Each candidate shall be examined both in writing and orally, and also clinically where the nature of the subject admits, in the following divisions, viz.: — *First*, in Botany, Zoology, Physics, and Chemistry; *Second*, in Anatomy, Physiology, and Materia Medica and Therapeutics; *Third*, in Pathology and Medical Jurisprudence and Public Health;

<sup>1</sup> For Table of Fees and dates of examinations see page 171.

*Fourth*, in Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, and Midwifery.

In subjects which admit of practical instruction, the examination shall be such as to test the practical acquirements of the candidate.

Provided always that if a candidate have obtained in a University of the United Kingdom, or other University specially recognised for the purpose by the University Court, a Degree in Science or in Arts, granted in either case after a course of study and an examination in Botany, Zoology, Physics, and Chemistry, he shall be held to have passed his examinations in the said subjects.

XII. Candidates who profess themselves ready to submit to an examination in the subjects comprised in the first division, viz. :—Botany, Zoology, Physics, and Chemistry, may be admitted to examination in all or any two of these subjects at any examination held after they have attended a full course in each of the subjects professed.

XIII. Candidates who have passed their examinations in the subjects comprised in the first division may be admitted to examination in the second division at the end of the third winter session.

Provided that candidates who so desire may postpone their examination in *Materia Medica* and *Therapeutics* until the close of the summer session following.

XIV. Candidates who have passed their examinations in the subjects comprised in the first and second divisions may be admitted to examination in the third division at the end of the fourth winter session.

Provided that candidates who so desire may postpone their examination in *Medical Jurisprudence* and *Public Health* until the close of the summer session following.

XV. Candidates who have passed their examinations in the subjects comprised in the first, second, and third divisions may be admitted to examination in the fourth or final division, when they have completed the fifth year of study.

XVI. If any candidate at these examinations be found unqualified in one or more subjects he shall not again be admitted to examination unless he has pursued his medical studies for such time, and subject to such conditions, as the Faculty of Medicine may prescribe.

XVII. If any candidate at these examinations be found to have passed in one or more subjects with sufficient merit. he shall not be liable to re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects comprised in the same division as hereinbefore specified.

XVIII. Every candidate must deliver, on or before such day as the Senatus may from time to time determine, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master.

XIX. After the candidate has satisfied the Examiners, the Dean of the Faculty of Medicine shall lay the proceedings before the Senatus, by whose authority the candidate shall be admitted, on such day as the

Senatus may from time to time appoint, to the Degrees of Bachelor of Medicine and Bachelor of Surgery, on payment of the required fees.<sup>1</sup>

XX. Candidates for graduation shall produce evidence of their having conformed to the Regulations which were in force at the time they commenced their Medical Studies, except in so far as is provided in Section XXV. hereof.

PROFESSIONAL EXAMINATION FOR THE DEGREE OF DOCTOR OF MEDICINE.

XXI. 1. Subject to the conditions hereinafter specified, the Degree of

Doctor of Medicine shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each candidate for the Degree of Doctor of Medicine shall be required to pass an examination in Clinical Medicine and in such of its special departments as the Senatus, with the approval of the University Court, by Regulations framed from time to time, shall determine; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

3. Each candidate for the Degree of Doctor of Medicine shall submit for the approval of the Faculty of Medicine a Thesis on any branch of knowledge comprised in the second, third, or fourth examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical; and the Thesis, accompanied by a declaration signed by the candidate, that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.

4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such Degrees; but the Degree of Doctor of Medicine shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in

<sup>1</sup> For Table of Fees and dates of examinations see page 171.

attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively surgical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

PROFESSIONAL EXAMINATION FOR DEGREE OF MASTER OF SURGERY.

- XXII. 1. Subject to the conditions hereinafter specified the Degree of Master of Surgery shall be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Glasgow, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to his having received the Degrees of Bachelor of Medicine and Bachelor of Surgery, for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.
2. Each candidate for the Degree of Master of Surgery shall be required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical Surgery as the Senatus, with the approval of the University Court, by Regulations framed from time to time, may determine; and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.
3. Each candidate for the Degree of Master of Surgery shall submit, for the approval of the Faculty of Medicine, a Thesis on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of Bachelor of Medicine and Bachelor of Surgery, which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical; and the Thesis, accompanied by a declaration signed by the candidate that the work has been done and the Thesis composed by himself, shall be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.
4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering, within twelve months after obtaining such degrees, on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in Sub-section 2 of this Section, at any period of examination after he has received such Degrees; but the Degree of Master of Surgery shall not be conferred on him unless he shall produce a certificate that, subsequently to having received the Degrees of



Bachelor of Medicine and Bachelor of Surgery, he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in practice which has not been exclusively medical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

#### FEES.

XXIII. The fee to be paid for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be twenty-two guineas, and the proportion of this sum to be paid by a candidate at each division of the examination shall be regulated from time to time by the University Court. The fee to be paid for the Degree of Doctor of Medicine shall be ten guineas, exclusive of any stamp duty which for the time may be exigible. The fee to be paid for the Degree of Master of Surgery shall be ten guineas.

#### EXAMINERS.

XXIV. The Examiners for graduation in Medicine in the University of Glasgow shall be the Professors in that University, together with such Lecturers in the University and such additional Examiners, to be appointed by the University Court, as the University Court shall deem necessary. Provided that the Court shall make such provisions as will ensure that every candidate shall be examined in each subject by at least two Examiners, of whom one shall not be a Professor or Lecturer in the University. The examinations shall be conducted in writing and orally and also clinically, when the nature of the subject admits, under regulations framed by the Senatus subject to the approval of the University Court.

#### REGULATIONS IN FORCE PREVIOUS TO 1ST JANUARY, 1892.

Three Medical Degrees are conferred by this University, viz.:—Bachelor of Medicine (M.B.); Master in Surgery (C.M); and Doctor of Medicine (M.D.); all of which are recognized by the Medical Acts as qualifying for practice throughout the British dominions, and for admission to the Army, Navy, and Public Medical Service.

The Degrees of Bachelor of Medicine and Master in Surgery may be obtained by candidates of the age of 21 years who have complied with the regulations as to Education and Examination.

The Degree of Master in Surgery shall not be conferred on any person who does not at the same time obtain the Degree of Bachelor of Medicine, nor shall the Degree of Bachelor of Medicine be conferred on any one who does not at the same time obtain the Degree of Master in Surgery.



The following rules and directions apply to the Degrees of Bachelor of Medicine and Master in Surgery:—

PROFESSIONAL EDUCATION.

1. *Duration and Constitution of the Curriculum.*—No one shall be admitted to the Degree of Bachelor of Medicine or Master in Surgery who has not been engaged in medical and surgical study for four years,—the medical session of each year, or *Annus Medicus*, being constituted by at least two courses of not less than one hundred lectures each, or by one such course and two courses of not less than fifty lectures each; but in the case of the Clinical Courses, it shall be sufficient that the lectures be given at least twice a week during the prescribed periods.

One at least of the four years of medical and surgical study above required must be in the University of Glasgow.

Another of such four years must be either in the University of Glasgow, or in some other University entitled to give the Degree of Doctor of Medicine.

Attendance during at least six winter months on the medical or surgical practice of a general hospital which accommodates at least eighty patients, and during the same period on a course of Practical Anatomy, may be reckoned as one of such four years, and to that extent shall be held equivalent to one year's attendance on courses of lectures, as above prescribed.

One year's attendance on the Lectures or Teachers of Medicine in the Hospital Schools of London, or in the School of the College of Surgeons in Dublin, may be reckoned as one of such four years; and to that extent shall be held as attendance on courses of lectures as above prescribed.

Attendance on the lectures of any private Teacher or Teachers of Medicine whose lectures have, by regulation of the University Court, with consent of the Chancellor of the University, been recognized for the purpose of graduation in the University, may be reckoned in place of the year's attendance last above mentioned, or as part thereof, as the case may be.

Candidates may, to the extent of four of the departments of medical study enumerated in "required courses of instruction," attend in such year or years of their medical and surgical studies as may be most convenient to them, the lectures of the Teachers of Medicine specified in the two immediately preceding paragraphs.<sup>1</sup>

All candidates availing themselves of the permission to attend the lectures of private Teachers, and not being at the time matriculated students of the University, must, at the commencement of the year of such attendance, enrol their names in a book kept by the University for that purpose, paying a fee of one-half the amount of the matriculation fee paid by students of the University; but they shall not be thereby entitled to any of the privileges of a matriculated student of the University.

<sup>1</sup> In Provincial Medical Schools where there are no Lecturers recognized by the University Court, a candidate can complete only one *Annus Medicus*, constituted by attendance at a General Hospital accommodating not fewer than 80 patients, along with a course of Practical Anatomy.

The fee for attendance on the lectures of any private Teacher, with a view to graduation, shall not be of less amount than that exigible by Medical Professors of the University for the same course of instruction. (*The fees must be paid at the commencement of the course.*)

No attendance on Lectures shall be reckoned, if the Teacher gives instruction in more than one of the prescribed branches of study, except in those cases where Professors of the University are at liberty to teach more than one branch.

2. *Required Courses of Instruction.*—Every candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall give sufficient evidence by certificates:—

(1.) That he has studied each of the following departments of medical science, viz.:—

ANATOMY, - - - - -	-	}	During courses including not less than one hundred lectures.
CHEMISTRY, - - - - -	-		
MATERIA MEDICA and PHARMACY, - - - - -	-		
INSTITUTES OF MEDICINE or PHYSIOLOGY, - - - - -	-		
PRACTICE OF MEDICINE, - - - - -	-		
SURGERY, - - - - -	-		
MIDWIFERY and the DISEASES peculiar to WOMEN and CHILDREN; two courses of Midwifery, of three months each, <sup>1</sup> being reckoned equivalent to a six months' course, provided different departments of Obstetric Medicine be taught in each of the courses, - - - - -			
PATHOLOGICAL ANATOMY, during a three months' course of lectures, together with a supplemental course of Practice of Medicine or Clinical Medicine; or a course of not less than one hundred lectures on General Pathology.			
PRACTICAL ANATOMY, - - - - -	-	-	Six months.
PRACTICAL CHEMISTRY, - - - - -	-	-	Three months.
PRACTICAL MIDWIFERY, - - - - -	-	}	Three months on the indoor practice of a Lying-in Hospital, or presence at not less than twelve labours, at least three of which must be conducted personally by the candidate under the direct supervision of a Registered Practitioner.
CLINICAL MEDICINE, - - - - -	-		
CLINICAL SURGERY, - - - - -	-	}	During courses of six months, or two courses of three months; lectures being given at least twice a week.
MEDICAL JURISPRUDENCE, - - - - -	-		
BOTANY, - - - - -	-	}	During courses including not less than fifty lectures.
ZOOLOGY WITH COMPARATIVE ANATOMY, - - - - -	-		

(2.) That he has attended for at least two years the medical and surgical practice of a general hospital either at Glasgow or elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of physicians and surgeons.

<sup>1</sup> The Fee for each course of Midwifery of three months is £2 2s.

- 3.) That he has attended, during a course of not less than fifty hours' instruction, the class of Practical Materia Medica in the University of Glasgow; or a similar class in a University or School of Medicine, attendance on which is recognized by the Ordinance; or a similar class conducted by a teacher recognized by the University Court under the Ordinance; or that he has been engaged for at least three months, by apprenticeship or otherwise, in compounding and dispensing drugs at the laboratory of an hospital, dispensary, member of a Surgical College or Faculty, of a licentiate of the London or Dublin Society of Apothecaries, or of a member of the Pharmaceutical Society of Great Britain. [Students are recommended to take the class of Pharmacology and Practical Pharmacy in the summer before their attendance on the course of Materia Medica; but attendance on such a course cannot be substituted for attendance on the course of systematic Lectures on Materia Medica, which must be taken before the third Professional Examination.]
- (4.) That he has attended for at least six months, by apprenticeship or otherwise, the out-practice of an hospital, or the practice of a dispensary, or of a physician, surgeon, or member of the London or Dublin Society of Apothecaries.

**VACCINATION.**—The candidate must produce a certificate from a recognized Vaccination department in an hospital, dispensary, or other public institution, that he has performed the operation successfully under the Teacher's supervision; that he is familiar with the different stages of the vaccine vesicle, and with the mode of preserving lymph, and is generally well instructed in the subject.<sup>1</sup>

#### PROFESSIONAL EXAMINATIONS.

By orders of Her Majesty in Council, dated 13th August, 1877, 23rd August, 1883, 27th January, 1885, and 26th March, 1885, the following are the arrangements for Professional Examinations:—

1. Every candidate for the Degrees of Bachelor of Medicine and Master in Surgery shall be examined both in writing and *viva voce*—first, on Chemistry, Botany, and Natural History; second, on Anatomy and Physiology; third, on Regional Anatomy, and Materia Medica and Pharmacy; and fourth, on Surgery, Clinical Surgery, Medicine, Clinical Medicine, Pathology, Midwifery, and Medical Jurisprudence. The Examination in Chemistry shall include Practical Chemistry; and the Examinations in Anatomy and Physiology shall include Practical Anatomy, Histology, and Practical Physiology; and the Examination in Surgery shall include Operative Surgery.
2. Students may appear for examination in the first of the foregoing divisions of subjects who have completed their attendance on the required courses during one winter and one summer session: provided always that students shall not be admitted to such ex-

<sup>1</sup> The recognized Vaccine Departments in Glasgow are—Western Infirmary, Royal Infirmary, and Faculty of Physicians and Surgeons.

amination at an earlier date than the period of examination immediately preceding their second winter session of professional study; and that students who commenced their medical studies in the summer session shall not be admitted to a degree in medicine unless their course of study, subsequent to the completion of the summer session in which they commenced their medical studies, shall not be less than the minimum course of four years prescribed by this Ordinance.

3. Students who have passed the first examination may appear for examination in the second division of subjects, after having completed their attendance on the requisite courses (including those of the subjects of examination) after the lapse of two winter and three summer sessions from the time of the commencement of their studies; provided always that students who have commenced their medical studies with a winter session may appear for examination in the second division of subjects, after the lapse of two winter and two summer sessions from the time of the commencement of their studies.
4. Students who have passed the two previous examinations may appear for examination in the third division of subjects at any of the terms fixed for examination by the Senate, after the conclusion of the third winter session of attendance upon Medical Classes (including those of the required subjects).
5. Students who have passed the examinations in the subjects of the three previous divisions may appear for examination in the subjects of the fourth division at the first term for the final examination after the conclusion of their curriculum of study.

In addition, the following regulations will be observed:—

1. The examinations shall be conducted by written papers and by oral examinations. A practical knowledge of the subject is also required.
2. Candidates must produce certificates of satisfactory attendance on the courses belonging to each division before presenting themselves for these examinations, and no candidate is allowed to enrol himself for the Second, Third, or Fourth examination without having passed the immediately preceding examination.
3. Previous to appearing for the final examination, the candidate must produce a declaration in his own handwriting that on the day of graduation he will have completed his twenty-first year and will not be under articles of apprenticeship.
4. At the professional examinations candidates will as far as possible be examined orally in the alphabetical order of their surnames.
5. If any candidate, on examination, be found unqualified, he shall not be again admitted to examination unless he shall have completed another year of medical study, or such portion of another year as may be fixed by the Examiners when he is found unqualified.

6. Every candidate must matriculate at the University for the year in which he enters for professional examination or for graduation.

The examinations are conducted by the Professors of the Faculty of Medicine, together with the other Examiners appointed by the University Court.

#### DEGREE OF DOCTOR OF MEDICINE.

The Degree of Doctor of Medicine may be conferred on any candidate who has obtained the degree of Bachelor of Medicine, and is of the age of twenty-four years, and has been engaged, subsequently to his having obtained the degree of Bachelor of Medicine, for at least two years in attendance on an hospital, or in the Military or Naval medical service, or in medical or surgical practice: Provided always that the degree of Doctor of Medicine shall not be conferred on any person, unless he be a graduate in Arts within the fifth section of the Ordinance, or unless he shall have passed a satisfactory examination in Greek, and in Logic or Moral Philosophy, and in one, at least, of the following subjects—namely, French, German, Higher Mathematics, Natural Philosophy, and Natural History. Provided also that each candidate for the degree of Doctor of Medicine shall present an Inaugural Dissertation composed by himself to be approved by the Senatus Academicus. Such Dissertations or Theses<sup>1</sup> must be lodged with the Assistant-Clerk (Matriculation Office), on or before 20th March, 20th June, or 20th October. No Thesis will be approved of unless it gives evidence of original observation, or, if it deal with the researches of others, gives a full statement of the literature of the question, with accurate references and critical investigation of the views or facts cited: mere compilations will in no case be accepted. The fees for the Degree of M.D. amount to £15 8s. (including the sum of £10 3s. for Government stamp, etc.).

<sup>1</sup> Candidates are requested to have their Theses bound before sending them in.



# TABLE OF EXAMINATIONS FOR DEGREES IN MEDICINE TO BE HELD DURING SESSION 1893-94.

Examination.	Names to be given in and Fees paid to Assistant-Clerk (Matriculation Office). Date. <sup>1</sup>	Fee. <sup>2</sup>	Dates of Written Examinations and Hours at which the different Papers will be set. Printed Schedules with detailed instructions for filling up may be obtained from the Assistant-Clerk (Matriculation Office). The Professional Oral Examinations follow immediately after the Written.	
First Professional,	21st Sept., 1893,	£5 5 0 <sup>3</sup>	<div> <div> <div>Mon., 9th Oct., 1893,</div> <div>Tues., 10th "</div> </div> <div> <div>Zoology -</div> <div>Physics -</div> </div> </div>	<div> <div>at 10 a.m.</div> <div>at 10 a.m.</div> </div>
Second Professional,	21st Sept., 1893,	5 5 0 <sup>3</sup>	<div> <div>Tues., 10th "</div> </div>	<div> <div>at 12.30 p.m.</div> </div>
Third Professional,	21st Sept., 1893,	5 5 0	<div> <div>Wed., 11th "</div> </div>	<div> <div>Regional Anatomy at 10 a.m.</div> </div>
First Professional,	7th March, 1894,	5 5 0 <sup>3</sup>	<div> <div>Tues., 27th Mar., 1894,</div> <div>Wed., 28th "</div> </div>	<div> <div>Zoology -</div> <div>Physics -</div> </div>
Second Professional,	7th March, 1894,	5 5 0 <sup>3</sup>	<div> <div>Wed., 28th "</div> </div>	<div> <div>at 10 a.m.</div> </div>
Third Professional,	7th March, 1894,	5 5 0	<div> <div>Thurs., 29th "</div> </div>	<div> <div>Regional Anatomy at 10 a.m.</div> </div>
Final Professional,	15th May, 1894,	5 5 0	<div> <div>Mon., 11th June (Clinical Examinations begin).</div> </div>	<div> <div>Fri., 6th July (Operative Surgery Examination begins).</div> </div>
			<div> <div>Mon., 9th July,</div> </div>	<div> <div>Medical Jurisprudence at 1 p.m.</div> </div>
			<div> <div>Tues., 10th "</div> </div>	<div> <div>Pathology - at 1 p.m.</div> </div>
			<div> <div>Wed., 11th "</div> </div>	<div> <div>Midwifery - at 1 p.m.</div> </div>

The Oral Examinations will begin about the 12th July.

<sup>1</sup> When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be enrolled for examination. A Candidate is not held to be enrolled for examination until his Name is entered, the Fee paid, and all the necessary Certificates, etc., lodged.

<sup>2</sup> In the event of a Candidate being rejected in a Professional Examination, he may be admitted once to re-examination without payment of further examination fee, but for a second and for each subsequent re-examination (if any) a Special Fee of £2 2s. will be charged.

<sup>3</sup> For Candidates under the New Ordinance the Fee will be £3 6s.

For dates in regard to Medical Preliminary Examination, see p. 124.

## DIPLOMA IN PUBLIC HEALTH.

The following regulations as to instruction in Public Health and as to examinations for the Diploma in Public Health prepared by the Senate have received the sanction of the University Court :—

I. The University provides instruction in Public Health by Laboratory training and otherwise.

II. The subjects of instruction are :—

Duties of Health Officer, Air and Ventilation, Food and its Adulterations, Water and Water Supply, Sewerage and Drainage ; Construction of Hospitals, Public Buildings, and Dwellings ; Overcrowding, Manufactories, Insalubrious Trades, Cemeteries, Nuisances, Quarantine, Disinfectants and Deodorizers, Outbreaks of Zymotic Diseases ; Climate, Topographical and Seasonal : its influences in relation to Health and Disease ; Geographical Distribution of Diseases ; Knowledge of leading Sanitary Acts of Parliament, Vital Statistics.

III. The Laboratory training is provided in a special department of the Chemical Laboratory. Practical instruction is given in the following subjects :—

(a) *Water*.—Qualitative examination : Colour, odour, and suspended matters. Quantitative examination : ammonia, albuminoid ammonia, nitric and nitrous acids, sulphuric and phosphoric acids, chlorine, total solids, lime, magnesia, alkalies, silica in solution, the hardness before and after boiling ; Clark's process for softening water ; explanations and illustrations of methods employed to purify water by chemical processes and by filtration.

(b) *Air*.—Qualitative and quantitative examination for gaseous impurities and suspended matters.

(c) *Water and Air*.—Bacteriological methods of examination. Micro-organisms, moulds, and fungi, and their identification. Pure cultures.

(d) *Soils*.—Nature and examination of soils ; ground-water, sewage.

(e) *Antiseptics and Disinfection*.—The relative value of various antiseptics and disinfectants and the methods of employing them.

(f) *Foods*.—Quantitative examination of milk, butter, tea, coffee, sugar, alcoholic beverages, aerated waters for poisonous substances. Qualitative examination of bread and flour, of cereal, farinaceous, and other food substances and condiments ; chemical and microscopic examination

for common adulterations, colouring matters, animal organisms, and poisonous substances; examination of food substances for fungoid growths, and poisonous substances resulting from the same.

- IV. The Diploma in Public Health may be obtained by any Bachelor of Medicine of this University on his passing the required examination not less than twelve months after he has taken the degree of M.B.
- V. Every candidate for a Diploma in Public Health shall give sufficient evidence by certificates:—
  1. That after obtaining the Degree of M.B. he has undergone the practical training provided under Regulation III.
  2. That he has, after obtaining the degree of M.B., practically studied for six months the duties of out-door Sanitary work under the Medical Officer of Health of a County or large Urban District.
- VI. The examination shall be written, practical, and oral. The subjects of examination are as follows:—
  - A. Physics, Meteorology, and Climatology, with special reference to Heat and Ventilation, Water supply, Drainage, and the Geographical distribution of Disease.
  - B. Chemistry and Biology.—The composition and analysis (qualitative and quantitative) of Air, Water, and Sewage; detection of poisons and recognition of injurious pigments; the composition and adulteration of foods and beverages; diseased and putrid food; Bacteriology; microscopic examination of Air, Water, Foods, and Beverages.
  - C. General Hygiene.—Duties of Medical Officer of Health; Nature and Construction of Dietaries; Sanitary arrangements of Houses, Hospitals, Workshops, Factories, Towns, including Interpretation of Plans; Ventilation, Water Supply, Sewerage, Disposal of the Dead; Ætiology, Prophylaxis, and Control of Infectious Diseases; Unhealthy occupations; Practical examination and written report on some selected area or premises.
  - D. Sanitary Law and Vital Statistics—Laws relating to Public Health, Vaccination, and Registration of births, marriages, and deaths; Methods and results of Vital Statistics, chiefly in relation to the birth, marriage, and death rate of communities.
- VII. The Fee for the course of instruction shall be £10 10s., and for the Examination £5 5s.

## GRADUATION.

The terms for conferring Medical and Surgical Degrees in Session 1893-94 are 9th November, 1893; 8th February, 1894; 20th April, 1894; and 26th July, 1894.

Candidates proceeding to Graduation, if not already Members of the General Council of the University, are required by the Act, 44 and 45 Vict. Ch. 40, to pay to the Registrar of the General Council the Registration Fee, and furnish to him the particulars required for their enrolment in the General Council. This should in all cases be done at least two clear days before the day of Graduation.

In accordance with the Promissory Oaths Act, 1868, a Declaration in the following English form is now substituted for the Latin Oath, or *Sponsio Academica*, formerly required to be taken and subscribed by every candidate on Graduation :—

I do solemnly and sincerely declare, that, as a Graduate in Medicine of the University of Glasgow, I will exercise the several parts of my profession, to the best of my knowledge and abilities, for the good, safety, and welfare of all persons committing themselves, or committed to my care and direction; and that I will not knowingly or intentionally do anything or administer anything to them to their hurt or prejudice, for any consideration, or from any motive whatever. And I further declare, that I will keep silence as to anything I have seen or heard while visiting the sick which it would be improper to divulge. And I make this solemn declaration in virtue of the Provisions of the Promissory Oaths Act, 1868, substituting a Declaration for Oaths in certain cases.

## REGISTRATION OF MEDICAL PRACTITIONERS.

Graduates should register as soon as possible with the Branch Registrar for Scotland, at 1 George Square, Edinburgh. Fee £5. Additional Qualifications, 5s. each. Forms of application may be had from the Assistant-Clerk (Matriculation Office).

## 5.—GRADUATION IN LAW.

**Degrees of Bachelor of Laws (LL.B.) and Bachelor of Law (B.L.).**

Two Degrees in Law are conferred, after examination, by the University of Glasgow, viz., Bachelor of Laws (LL.B.) and Bachelor of Law (B.L.).

By regulation of the Faculty of Advocates, any one who has obtained the Degree of LL.B. from a Scottish University is held qualified in General Scholarship and Law with a view to admission to the Bar, without examination or other evidence of such qualification.

By the Law Agents Act, 36 and 37 Vict., c. 63, the holder of a Degree in Law or in Arts of a University in Great Britain or

Ireland, granted after examination, is qualified to apply for admission as a Law Agent after an apprenticeship of three years, instead of five, as required in the ordinary case; and by act of Sederunt of 20th July, 1878, any applicant who holds the Degree of LL.B. or of B.L. of any Scottish University is exempted from any examination in Law before the Examiners of Law Agents, excepting only on forms of Process, Civil and Criminal, and a similar provision is contained in the Act of Sederunt of 18th March, 1893.

The conditions on which the Degree of LL.B. is now conferred are regulated by ordinance No. 75 of the Universities Commissioners (1858), the principal provisions of which are the following:—

I. No one shall hereafter be admitted as a candidate for the Degree unless he be a graduate in Arts of a recognized University.

II. The course of study in Law necessary for the Degree of Bachelor of Laws shall extend over three academical years, and shall include attendance on a distinct course in each of the six following departments, viz.:—

1. CIVIL LAW, - - - - -	} During Courses of not less than Eighty Lectures each.
2. LAW OF SCOTLAND, - - - - -	
3. CONVEYANCING, - - - - -	
4. PUBLIC LAW, - - - - -	} During Courses of not less than Forty Lectures each.
5. CONSTITUTIONAL LAW AND HISTORY, - - - - -	
6. MEDICAL JURISPRUDENCE, - - - - -	

III. No one shall be admitted as a candidate for this Degree in any University unless two at least of the three academical years of his course of study in Law shall have been in such University.

IV. Candidates for the Degree of Bachelor of Laws shall be examined, both in writing and *viva voce*, on each of the six departments of Law above specified.

V. The Examiners, in judging of the qualifications of candidates, shall have special regard to their acquirements in the two departments of Public Law and Constitutional Law and History.

VI. The Examiners for Degrees in Law in each University shall be six in number, and there shall always be one Examiner specially qualified for each one of the six departments above specified; and where the Professors of the Faculty of Law in any University do not furnish the requisite number of Examiners duly qualified, the number shall be made up by the appointment of additional Examiners by the University Court; provided always that no person shall be appointed an additional Examiner in any University unless he be a professor in the Faculty of Law in a *Scottish* University, or shall have obtained the Degree of Bachelor of Laws, in accordance with the provisions of this ordinance.

VII. Each candidate for the Degree of Bachelor of Laws shall



pay a Fee of Five Guineas in respect of his examination for the Degree.

The following Regulations for the Degree of Bachelor of Law (B.L.) were sanctioned by Her Majesty, by order in Council, dated 6th August, 1874 :—

VIII. Besides the Degree in Law specified in the said Ordinance there shall in future be in the University of Glasgow a second Degree in Law granted after examination, namely, the Degree of Bachelor of Law (B.L.).

IX. No one shall be admitted to examination as a candidate for the Degree of Bachelor of Law in the University of Glasgow unless he be a Graduate in Arts, qualified as prescribed in section I. (*supra*), or unless he shall have passed a satisfactory examination in Latin, and in any three of the following subjects (Logic or Mathematics being always one of the three), viz. :—(a) Greek, with the alternative of French or German, (b) Logic, (c) Moral Philosophy, (d) Mathematics, (e) Natural Philosophy, and (f) English Literature ; and further, shall have studied, during at least two academical years, two or more of the above branches, in one or more of the Universities mentioned in section I. The examinations shall be conducted by Examiners in Arts, together with some of the Law Examiners.

X. The course of study in Law necessary for the Degree of Bachelor of Law in the University of Glasgow shall extend over at least two academical years, and shall include attendance on a distinct course, as specified in section II., in each of the three departments of Civil Law, Law of Scotland, and Conveyancing, and in any one of the other three departments of Law mentioned in that section ; provided always that in lieu of Civil Law, or one of the last-mentioned three departments of Law, attendance on a distinct course of Moral Philosophy shall be admitted as sufficient, or in the event of Moral Philosophy having been selected by a candidate as one of the three optional subjects of Preliminary Examination, then attendance on a distinct course of Political Economy shall be admitted in lieu of Civil Law or one of the said other three departments of Law. No one shall be admitted to examination as a Candidate for the said Degree unless two academical years of his course of study in Law shall have been in the University of Glasgow. The candidates shall be examined in each of the departments in which they shall have given attendance as herein required.

XI. The Examiners for the Degree of B.L. in the University of Glasgow shall be the Professors of the Faculty of Law, together with two additional Examiners appointed by the University Court, from among Graduates in Law of any of the Universities of Scotland ; provided always that for six years after the approval of this

alteration on the Ordinance by Her Majesty in Council, any one shall be eligible as Examiner who is a Member of the General Council of any of the Universities of Scotland. Each of such additional Examiners shall hold office for the term of three years.

XII. The fee to be paid by each candidate for the Degree of Bachelor of Law in the University of Glasgow shall be Three Guineas.

XIII. Any candidate who, before the approval of the present alteration by Her Majesty in Council, may, with a view to Graduation in the University, have passed an examination in any of the subjects hereby required for the Degree of B.L., shall be entitled to reckon such examination as an examination in the same subject or subjects for the purposes of the said Degree.

---

### SUBJECTS OF EXAMINATION.

#### Preliminary Examination for the Degree of B.L.

ARTS SUBJECTS.—The examination in the Arts Subjects under section IX. will be the same as that for the Degree of M.A.

FRENCH.—*Montesquieu's* Esprit des Lois, Books i. to v. ; *Voltaire's* Charles XII. ; *Moliere's* Le Bourgeois Gentilhomme ; *Victor Hugo's* First Division of Selections (Poésie) contained in L'Œuvre Complète de Victor Hugo (Extraits), Paris, Hetzel-Quantin, 1885. Some knowledge of the matter of the books prescribed as well as of their text is required. A passage from a work not prescribed may also be set. Moderate proficiency in French Prose Composition is required. Questions on French Grammar, Philology, and History will also be set. For these subjects reference may be made to *Saintsbury's* Primer of French Literature, *Brachet's* Historical French Grammar, or *Clapin's* Primer of French Philology, and *Charlotte Yonge's* Primer of French History.

GERMAN.—*Von Ihering*, Der Kampf um's Recht ; *Schiller*, Die Belagerung von Antwerpen ; *Lessing*, Minna von Barnhelm ; *Goethe*, Hermann und Dorothea. Translation, Composition, and Grammatical and Historical Knowledge will be required, as in French. Reference may be made to *Gostwick and Harrison's* German Literature, or *Sells's* Outline of the Literature of Germany ; and *Sime's* History of Germany (Macmillan's Hist. Course for Schools).

---

#### Law Examinations for Degrees of LL.B. and B.L.

The examinations for LL.B. and B.L. in Session 1893-94 will embrace the following books and subjects, viz. :—

*In Civil Law.*—Justinian's Institutes, with Moyle's Introduction, Commentary, etc.

*In the Law of Scotland.*—Bell's Principles of the Law of Scotland, and the Professor's Lectures.

*In Conveyancing.*—Professor A. M. Bell's Lectures on Conveyancing. The constitution, transmission, and extinction of Heritable Rights according to the Law of Scotland.

*In Public Law.*—(1) History and Philosophy of Law ; (2) Public International Law ; and (3) Private International Law. Authorities recommended—Maine's Ancient Law ; Ahrens' Cours de Droit Naturel, or Lorimer's Institutes of Law and Law of Nations, or Trendelenburg's Naturrecht ; Hall's or Woolsey's International Law, or Twiss' Law of Nations, or Heffter's Droit International de l'Europe, together with the prize cases reported in Tudor's Leading Cases in Mercantile and Maritime Law, or Bluntschli's Völkerrecht, together with the above cases ; the Eighth Volume of Savigny's System translated by Guthrie.

*In Constitutional Law and History.*—(1) History of the Constitution during the 16th and 17th centuries ; (2) Existing Constitutional Law. Authorities recommended—Hallam's Constitutional History of England ; Anson's Law and Custom of the Constitution, 2 vols. ; Leading Cases in Constitutional Law, by Thomas ; Dicey's Law of the Constitution.

*In Medical Jurisprudence.*—Infanticide ; Concealment of Pregnancy ; Rape ; Wounds ; Identity ; Presumption of Survivorship ; General Evidence in Cases of Poisoning ; Poisoning by Arsenic ; Examination of Blood Stains ; Legitimacy ; Insanity. (Text-Book, Principles of Forensic Medicine, by Guy and Ferrier.)

*In Moral Philosophy.*—The subjects of examination for the Degree of M.A. Those who have not attended the Class of Moral Philosophy will be examined in Sidgwick's Methods of Ethics, and will also be expected to show a general knowledge of the history of Ethical Philosophy in modern times.

*In Political Economy.*—The General Principles of Political Economy, and the 2nd Book of Mill's Political Economy.

No candidate for the Degree of B.L. is admitted to an Examination in Law Subjects until he has passed in all the subjects of the Preliminary Examination.

By a regulation of the Faculty of Law not fewer than two subjects in Law must be taken up at one time by each candidate for the Degree of LL.B. or B.L.

For dates of Examinations and times for giving in names, see page 179.

TABLE OF EXAMINATIONS FOR DEGREES IN LAW, TO BE HELD DURING SESSION 1893-94.

Fee.	Names to be given in and Fees paid to Assistant-Clerk (Matriculation Office). Date. <sup>1</sup>	Subjects of Examination.	DATES OF WRITTEN EXAMINATIONS AND HOURS AT WHICH THE DIFFERENT PAPERS WILL BE SET.		Examination.
			October, 1893.	March—April, 1894.	
£1 1s. on each entry for Examination, and balance, if any, before Graduation. Total Fees: LL.B. £5 5s., B.L. £3 5s.	14th Sept. or 7th Mar.,	French,	1893. Tues., 3rd Oct., 3-4.30 p.m.	1894. Tues., 3rd Apr., 3-4.30 p.m.	PRELIMINARY FOR B.L.
		"	Wed., 4th " 3-5 p.m.	Wed., 4th " 3-5 p.m.	
		German,	Thurs., 5th " 10-11.30 and 12-2 p.m.	Thurs., 5th " 10-11.30 and 12-2 p.m.	
		English Literature,	Sat., 21st " 10 a.m.	Sat., 7th " 10 a.m.	
	2nd Oct. or 10th Mar.,	Latin,	Mon., 23rd " 10-12.1-3 and 4-6 p.m.	Mon., 9th " 10-12.1-3 and 4-6 p.m.	
		Greek,	Tues., 24th " 10-12 and 1-3 p.m.	Tues., 10th " 10-12 and 1-3 p.m.	
		Logic,	Wed., 25th " 10 a.m.	Wed., 11th " 10 a.m.	
		Moral Philosophy,	Thurs., 26th " 10-1 and 2-5 p.m.	Thurs., 12th " 10-1 and 2-5 p.m.	
	2nd Oct. or 10th Mar.,	Mathematics,	Fri., 27th " 10-1 and 2-5 p.m.	Fri., 13th " 10-1 and 2-5 p.m.	
		Natural Philosophy,	Sat., 28th " 10-1 and 2-5 p.m.	Sat., 14th " 10-1 and 2-5 p.m.	
		Scots Law,	Mon., 10th Oct., 9 a.m.	Wed., 4th " 9 a.m.	
		Public Law,	" " 2 p.m.	" " 2 p.m.	
	2nd Oct. or 10th Mar.,	Civil Law,	Tues., 17th " 9 a.m.	Thurs., 5th " 9 a.m.	
		Constitut. Law & Hist.,	" " 2 p.m.	" " 2 p.m.	
		Conveyancing,	Wed., 18th " 9 a.m.	Fri., 6th " 9 a.m.	
		Medical Jurisprudence,	" " 2 p.m.	" " 2 p.m.	
	2nd Oct. or 10th Mar.,	Moral Philosophy,	Thurs., 26th " 10 a.m.	Thurs., 12th " 10 a.m.	LAW.
		Political Economy,	" " 2 p.m.	" " 2 p.m.	

<sup>1</sup> When Names are not given in and Fees are not paid on or before the stated dates, a late Entry Fee of Ten Shillings must be paid before the Candidate can be enrolled for examination. A Candidate is not held to be enrolled for examination until his Name is entered, the Fee paid, and all the necessary Certificates, etc., lodged.

## 6.—GRADUATION IN DIVINITY.

## Degree of Bachelor of Divinity.

This Degree, having been revived in the University by authority of the University Court and Senatus Academicus, is conferred on such qualified candidates as have satisfied the Members of the Divinity Faculty of their proficiency in the following departments, viz. :—

I. Hebrew, New Testament Exegesis, and Apologetics.

II. Divinity, Church History, and Biblical Criticism.

The examinations in the First Department are held in November (2nd and 3rd November, 1893); those in the Second Department, in March (29th and 30th March, 1894).<sup>1</sup>

The scheme of examination for Session 1893-94 is as follows :—

## I. FIRST DEPARTMENT—

- (a) *Hebrew*.—(1) Genesis xxvi.-l., Text and Exegesis ; (2) Isaiah liv.-lxvi., and Psalms lix.-lxxii., Text, Exegesis, and Introduction ; (3) Portions of unpointed Hebrew to be punctuated ; (4) Translations from English into Hebrew.

Books that may be used :

Spurrell's Notes on the Hebrew Text of the Book of Genesis ; the relative Commentaries of Cheyne, Delitzsch, Perowne ; the Introductions to the Old Testament by Bleek and Driver. Candidates will be expected to know Müller's Outlines of Hebrew Syntax, and to be acquainted with the critical analysis of the Book of Genesis.

- (b) *New Testament Exegesis*.—(1) Introduction to the Gospels of Mark and Luke. (2) Exegesis of Mark i. 1-viii. 26, with critical comparison of the parallel passages in Matthew and Luke. (3) Exegesis of the Epistles to the Colossians and Philemon.

Books which may be consulted :

(1) and (2) The relative Commentaries of Morison, Godet, Meyer, de Wette, or Alford ; Bleek, *Synoptische Erklärung der drei ersten Evangelien*. (3) The Commentaries of Meyer, Alford, von Soden.

- (c) *Apologetics*.—Antitheistic Theories ; Inspiration.

Books which may be consulted :

The relative sections of general treatises on Apologetics or Dogmatics [see II., below] ; Flint, *Antitheistic Theories* ; Christlieb, *Modern Doubt* ; Voigt, *Fundamental-Dogmatik* ; Lee on Inspiration ; Row on Inspiration ; Ladd, *Doctrine of Sacred Scripture*.

<sup>1</sup> Candidates who, under the old regulations, have already passed in Hebrew and Biblical Criticism may present themselves for examination in Divinity and Church History, and *vice versa*.



## II. SECOND DEPARTMENT—

- (a) *Divinity*.—Doctrine of Christ's Person and Work ; Biblical Theology—Discourses in Book of Acts, and First Epistle of Peter.

The following books may be consulted :

The Treatises on Dogmatics by Martensen, Oosterzee, Kahnis, Lipsius, Dorner, Biedermann, Nitzsch ; Hodge, Systematic Theology ; Strong, Systematic Theology ; Dorner and Thomasius on Christ's Person and Work ; Bruce, Humiliation of Christ ; Schmid, Weiss, Oosterzee, Beyschlag, on Biblical Theology of the New Testament ; Reuss, History of Christian Theology in the Apostolic Age ; Weiss, Petrinischer Lehrbegriff.

- (b) *Church History*.—Post-Reformation Period (1516-1647).

The following are among the books which may be consulted :

D'Aubigne, History of Reformation ; Neander, History of Christian Dogma ; Schaff, History of the Christian Church, relative volumes ; Lee, Lectures on History of Church of Scotland.

- (c) *Biblical Criticism*.—(1) Textual Criticism. (2) Hermeneutics.

Books which may be consulted :

(1) Davidson, Biblical Criticism ; Tregelles, Treatise in Horne's Introduction, vol. IV. ; Scrivener, Plain Introduction to the Criticism of the New Testament (third edition) ; Westcott and Hort, Prolegomena to the Greek Testament. (2) Davidson, Sacred Hermeneutics (1843), or Treatise on Interpretation in Horne's Introduction, vol. II. ; Ernesti, Institutio Interpretis ; Immer, Hermeneutik des Neuen Testaments.

The scheme of examination for Session 1894-95 will be as follows:—

## I. FIRST DEPARTMENT—

- (a) *Hebrew*.—(1) First Book of Samuel ; (2) Book of Hosea ; Psalms lxxiii.-lxxxix. ; (3) Portions of unpointed Hebrew to be punctuated ; (4) Translations from English into Hebrew.
- (b) *New Testament Exegesis*.—(1) Introduction to the Acts of the Apostles ; (2) Exegesis of Luke viii. 4-xviii. 15, with critical comparison of the parallel passages in Matthew and Mark ; (3) Exegesis of the Epistle to the Philippians.
- (c) *Apologetics*.—Theism ; Miracles.

## II. SECOND DEPARTMENT—

- (a) *Divinity*.—Doctrine of the Image of God in Man ; Biblical Theology—Pauline Doctrine of Law, of Sin, and of Justification.
- (b) *Church History*.—Mediaeval Period (1054-1517).
- (c) *Biblical Criticism*.—(1) Textual Criticism ; (2) Hermeneutics.

All Graduates in Arts of any of the Universities of Scotland, or of England, or of Ireland, or of a Colonial University whose Degrees shall for this purpose have been specially recognized by the University Court, who have studied at this University during at least two sessions, and "who have gone through a due course of Theological training, whether in this University or in any other Theological School in Scotland or England," may become candidates for the Degree.

Students who have completed the second year of their Divinity studies, subsequent to the termination of their Course in Arts, may present themselves for examination in the First Department.

Forms of application for examination may be obtained from the Assistant-Clerk (Matriculation Office). These forms, when filled up, must be forwarded by the candidates to the Professor of Divinity, along with certificates of attendance on the required classes, and, having been certified by him, must then be transmitted to the Assistant-Clerk (Matriculation Office), on or before 28th October or 24th March respectively. A fee of £1 11s. 6d. is payable on enrolment for each department.

---

*Regulations for the Honorary Degree of Doctor of Divinity.*

This Degree is now conferred in accordance with the following Regulations, which were adopted by the Senate on 28th February and 11th April, 1889 :—

I. At the commencement of every session a committee shall be appointed, to be called the Committee on the Degree of D.D., consisting of the Principal, three Professors from the Faculty of Theology (of whom the Professor of Divinity shall be one), and one Professor from each of the other Faculties.

II. It shall be the duty of this Committee to select persons to be recommended to the Senate for the Degree; but the Committee shall not entertain private or personal applications.

III. The Committee shall present a report embodying its recommendations to the Senate at the first meeting in March in each year.

IV. In the case of every person recommended for the Degree the report shall contain a statement of the grounds on which the recommendation is founded, showing :—

1. Whether he is an alumnus of this University, and whether he already holds the Degree of B.D., or any other University Degree.
2. Whether his character and professional standing are such as to warrant the conferring of the proposed distinction.

3. Whether, (a) being a Bachelor of Divinity of eight years' standing, he has passed a higher examination in any three of the six subjects embraced in the examination for the Degree of B.D.; or, (b) being a Bachelor of Divinity of fifteen years' standing he has published a contribution of merit to Theological Literature.

V. No resolution to confer the Degree of D.D. shall be moved in the Senate until a fortnight after the report of the Committee has been presented.

The University dues for the Degree of D.D. shall be, as heretofore, Twenty Pounds; under deduction of the dues previously paid on examination for the Degrees of M.A. and B.D.

---

#### 7.—HONORARY DEGREE OF DOCTOR OF LAWS.

The following resolutions regulating the procedure of the Senate in conferring the honorary Degree of LL.D. were adopted by the Senate on 7th March and 11th April, 1889 :—

1. At the commencement of every Session a Committee shall be appointed, to be called the Committee on the Degree of LL.D., consisting of the Principal, three Professors from the Faculty of Arts, and two Professors from each of the other Faculties.

2. It shall be the duty of this Committee to select persons to be recommended by the Senate for the Degree; but the Committee shall not entertain private or personal applications.

3. The Committee shall present to the Senate a report embodying its recommendations at the first meeting in March in each year.

4. In the case of every person recommended for the Degree, the report shall contain a statement of the grounds on which the recommendation is founded, showing :—

- (a) Whether he is an alumnus of this or any other University, and whether he already holds any Academical Degree.
- (b) Whether he is the author of any work of acknowledged merit, or has otherwise contributed to the progress of learning and science.
- (c) And, in general, whether his character, profession, and position in society are such as to warrant the conferring of the proposed distinction.

5. No resolution to confer the Degree of LL.D. shall be moved in the Senate until a fortnight after the report of the Committee has been presented.

## Academic Dress.

## GRADUATES OF THE UNIVERSITY.

On ceremonial occasions the Graduates are expected to appear in the Gown and Hood proper to their degrees.

The ordinary Gowns to be worn by Graduates of the University of Glasgow are of black silk or stuff, of similar shape to those appropriated to the corresponding degrees in the other British Universities.<sup>1</sup>

The Hoods for the different Degrees, as approved by the University Court, on 19th May, 1893, are as follows :—

- B.A., Black Silk, bordered inside with Red Purple Silk (colour of Bell Heather—*Erica Cinerea*).
- M.A., Black Silk, lined with Red Purple Silk.
- B.Sc., Black Silk, bordered with Scarlet Cloth and lined with Gold Coloured Silk (colour of Whin Blossom—*Ulex Europæa*).
- D.Sc., Scarlet Cloth, lined with Gold Coloured Silk.
- B.L., Black Silk, with an inside border of Venetian Red Silk (colour of Clove Carnations).
- LL.B., Black Silk, bordered with Scarlet Cloth and lined with Venetian Red Silk.
- LL.D., Scarlet Cloth, lined with Venetian Red Silk.
- M.B. and C.M., Black Silk, bordered with Scarlet Cloth and lined with Scarlet Silk.
- M.D., Scarlet Cloth, lined with Scarlet Silk.
- B.D., Black Silk, bordered with Scarlet Cloth and lined with a light Cherry Silk.
- D.D., Scarlet Cloth, lined with White Silk.

## UNDER-GRADUATES.

By a Statute of the Commissioners appointed by the Act, 1690, chapter XVII., of the Parliament of Scotland, “for the Visitation of Universities and Schools,” it was enacted that “all the students in the several Universities and Colleges within this kingdom be obliged to wear gowns during the time of the sitting of the Colleges,” and that “the Regents or Masters be obliged to wear black gowns, and the students red gowns ; and, in regard that wearing of gowns has never been the custom in the College of Edinburgh, the Commissioners do therefore recommend to the Masters of that College to endeavour to bring the custom of wearing gowns there into practice.” It appears from the University records that the wearing of red gowns had been previously the practice in Glasgow, and it continued to be

<sup>1</sup> The Robemakers to the University have standard patterns of the gowns, which, it may be stated for the information of those at a distance, are of the same shape with the ordinary (or undress) gowns of the corresponding degrees at Cambridge.

the practice in all the Arts classes which existed at the date of this statute uninterruptedly till recently.

The General Council of this University having requested the University Court to recommend to the Senate the propriety of requiring the students to conform to the ancient practice of this University as to Academic dress ; and the University Court having remitted the subject to the determination of the Senate, with an expression of regret that the Academical Dress formerly worn by the Arts students has of late years been laid aside, the Senate has given notice that the proper Academic Dress for students in Arts is the red gown.

While this notice does not apply to students not in the Faculty of Arts, all students in the University are entitled to wear the red gown.

#### CEREMONY OF GRADUATION.

The following are the regulations adopted by the Senate :—

All degrees honorary or gained by examination, shall be publicly conferred, except in special cases to be decided by the Senate.

Candidates for Graduation are required to appear in black gowns with the hoods appropriate to their degrees ; those who are already graduates, in the costume proper to their previous degree.



# VIII.—BURSARIES, SCHOLARSHIPS, &c., PRIZES.

N.B.—No alumnus of the University is allowed to hold at one time more than one Bursary, Scholarship, or Fellowship, except in cases provided for by the Regulations.

In the case of Bursaries in the gift of the Senate, in appointing to which "a preference" is to be given to certain names, &c., by a "preference" the Senate understand, in every instance, a preference *ceteris paribus*.

## A. BURSARIES ARRANGED ACCORDING TO FACULTIES.

### BURSARIES IN THE FACULTY OF THEOLOGY.

Bursars in the Faculty of Theology are required to attend each session the Divinity Class and any two of the three classes of Hebrew, Church History, and Biblical Criticism.

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Adam, John, - - - - -	3	4	£15
Black, - - - - -	2	3	£42
Boyd, - - - - -	1	3	£11
Boyd and Sanders, - - - - -	1	3	£13 16/8
Brown or Ettles, - - - - -	2	3	£25
Dundonald, - - - - -	6	2	£41 2/6
Gilhagie, - - - - -	1	4	£6 6/
Hastie, - - - - -	2	3	£25
Logan, - - - - -	1	3	£16
Lorimer, - - - - -	4	3	£25 and £20
Lumsden, - - - - -	1	4	£15
Macfarlane, James, - - - - -	1	3	£36
Marshall, - - - - -	1	4	£17
Muir, - - - - -	1	3	£36
Muir Divinity, - - - - -	2	2	£25
Notman, - - - - -	1	3	£17
Ross, John, jun., - - - - -	1	3	£36
Struthers, - - - - -	1	3	£13 6/8
Wilsone, - - - - -	1	3	£13 6/8

### BURSARIES IN THE FACULTY OF LAW.

Merchants' House, - - - - -	1	3	£25
Walkinshaw-Young, - - - - -	1	2	£18
Major Young's Fund, - - - - -	2	6 and 2	£20

### BURSARIES IN THE FACULTY OF MEDICINE.

Arthur, - - - - -	1	3	£25
Brisbane, - - - - -	1	4	£42
Davidson, - - - - -	1	3	£40
Malcolm Kerr (Chem.), - - - - -	1	3	£18
Logan, - - - - -	1	4	£16
Lorimer, - - - - -	4	3	£25 and £20
Macarthur, - - - - -	1	2	£20
Macfarlane, John, - - - - -	1	3	£40
Mackintosh, - - - - -	1	1	£30
Marshall, - - - - -	1	4	£17
Merchants' House, - - - - -	2	4	£25
Monteith, John, - - - - -	2	2	£21
Paterson, James A., - - - - -	4	4	£30
Rainy, - - - - -	2	2	£20
Walton, - - - - -	1	4	£36
Weir, Andrew, - - - - -	1	1	£18

## BURSARIES IN THE FACULTY OF ARTS.

Bursars in the Faculty of Arts are required to attend at least two classes each session.

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
Adam, James, - - - - -	3	4	£11
Adamson, - - - - -	1	3 or 4	£20
Angus and Mearns Benevolent Society,	2	4	£15
Ayrshire Masonic, - - - - -	1	4	£20
Barbour (Kilbarchan), - - - - -	1	3	£16
Biggart Memorial, - - - - -	10	4	£25
Black, - - - - -	2	4	£21
Blackquarry School, - - - - -	1	4	£13
Brand, - - - - -	3	4	£24
Brown, - - - - -	1	4	£6 13/4
Brown, Ebenezer, - - - - -	1	3	£37
Brown-Paton, - - - - -	2	3	£16
Browne (Ayrshire), - - - - -	2	4	£20
Buchanan, - - - - -	2	3	£13
Clark, John (Mile-end), - - - - -	22	4	£30
Cowan, - - - - -	1	3	£26 13/4
Craig, - - - - -	1	4	£25
Craig, Archibald, - - - - -	1	2	£9
Crawfurd (or Bishop's), - - - - -	1	4	£13
Davidson, - - - - -	1	3	£40
Duncan's Bute, - - - - -	2	4	£35
Dundonald, - - - - -	8	4	£40
Elder, - - - - -	2	2	£50
Ewing, James, - - - - -	4	4	£20
Forfar, - - - - -	4	4	£30
Foundation, - - - - -	4	4	£10
Fullarton of Overton, - - - - -	5	2	£20
General Council, - - - - -	5	3 or 2	£20
Gilchrist, - - - - -	1	3	£8
Glasgow City Educational Endowm'ts,	20	4 or 2	£25
Glasgow Highland Society, - - - - -	5	4	£20
Grant, George, - - - - -	1	3 or 4	£45
Grant, George, jun., - - - - -	1	4	£45
Hamilton Educational Trust, - - - - -	3	3	£15
Hannay, - - - - -	3	3	£15
Hastie, - - - - -	1	4	£25
Howison, - - - - -	1	4	£9
Hutchesons' Educational Trust, - - - - -	20	4	£20
Hyndford, - - - - -	1	4	£6 13/4
Jaffrey, John Ferguson, - - - - -	1	2	£34
Kerr, Malcolm (Nat. Phil.), - - - - -	1	3	£15
Laing, Alexander, - - - - -	1	3	£20
Laing, James, - - - - -	8	4	£25
Leadbetter, - - - - -	1	4	£9
Leyden, John, - - - - -	1	3	£13
Lochhead, James, - - - - -	1	3	£16
Lochhead and Mitchell, - - - - -	2	4	£32
Lorimer (4 Phil. 4 Math.), - - - - -	8	3	£25 and £20
Lusk, - - - - -	1	3	£30
M'Crie, - - - - -	4	4	£25
M'Culloch, - - - - -	1	4	£17
MacDougall, - - - - -	3	3	£33
M'Ewen, Malcolm (Arts or Science), -	1	4	£16

BURSARIES IN THE FACULTY OF ARTS—*Continued.*

FOUNDATION.	No. of Bursaries.	Period of Tenure.	Approximate Annual Value of each.
		Years.	
MacGrouther, - - - - -	2	4	£20 and £15
Maitland Club, - - - - -	1	—	—
Marshall Trust, - - - - -	10	5	£30
Menzies, - - - - -	4	4	£45
Merchants' House, - - - - -	1	4	£25
Metcalfe, - - - - -	4	2	£25
Monteith, - - - - -	3	3	£14
Muir (Civil Engineering), - - - - -	2	1	£12 10/
Muir (Mathematics, Senior), - - - - -	1	1	£18
Muir (Mathematics, Junior), - - - - -	1	2	£9
Orr-Ewing Dumbartonshire, - - - - -	16	4	£25
Paterson, James, - - - - -	1	4	£23
Paterson, James A., - - - - -	3	3	£40
Patrick, - - - - -	2	2	£80 and £40.
Perthshire Society, - - - - -	1	3	£25
Pollock, - - - - -	3	3	£40
Ramsay-Walker, - - - - -	2	4	£12
Ross, - - - - -	1	4	£4 3/4
Scott, - - - - -	3	4	£25
Stevenson of Dalry, - - - - -	2	4	£32
Stewart, - - - - -	3	4	£15
Stirlingshire Society, - - - - -	1	4	£25
Thomson, James (Philosophical), - - - - -	1	2	£11

## BURSARIES IN THE FACULTIES OF ARTS AND THEOLOGY.

Ardkinglass, - - - - -	1	8	£9 10/
Buchanan (Bellfield), - - - - -	2	7	£50
Exchequer, - - - - -	6	6	£10 and £13 6/8
Hamilton, - - - - -	6	6	£20 and £25
Leighton, - - - - -	2	7	£9
Williams, - - - - -	4	3 or 4	£40

## BURSARY IN THE FACULTIES OF ARTS OR THEOLOGY.

Lamb, - - - - -	1	—	£12
-----------------	---	---	-----

## BURSARIES IN THE FACULTIES OF ARTS, LAW, OR MEDICINE.

Macdonald, - - - - -	2	4	£14
----------------------	---	---	-----

## BURSARIES IN THE FACULTIES OF THEOLOGY, LAW, OR MEDICINE.

Armagh, - - - - -	3	3	£25
Old Library, - - - - -	1	4	£11 2/2 <sup>1</sup>

## BURSARIES IN ANY FACULTY.

Ayrshire Society, - - - - -	4	3	£15
Celtic Society (Campbell), - - - - -	1	1 or more	£5
Denny, - - - - -	4	4	£30
Dumfriesshire Society, - - - - -	2	4	£15
Ferguson, James, - - - - -	2	2	£80
Forrest, - - - - -	5	5 or less	£22
Gibson, John, - - - - -	2	4	£20
Kintyre (Ker), - - - - -	1	3	£20
Kintyre (Alexander Love), - - - - -	1	4	£11
M'Kechnie, - - - - -	2	4	£35
Shearer, - - - - -	3	3	£30
Smith, - - - - -	2	1 or more	£9
Taylor, - - - - -	2	4 or 5	£12

## B.—BURSARIES (ALPHABETICALLY ARRANGED).

**JAMES ADAM BURSARIES** (*Arts*).—Three in number, founded by the Rev. James Adam, minister of Cumbrae, who died in 1830. They are appropriated to students in the Gown Classes, and tenable for four years. In appointing to one of the Bursaries, preference is given to the kindred of the founder, and in appointing to another to students of the name of Adam. The appointment is vested in the Earl of Glasgow, the Professor of Divinity, and the Minister of Cumbrae. Value, about £11 per annum each.

*Bursars*—Charles W. Hutcheson, 1890; Donald Douglas, 1891; John R. Tannahill, 1892.

**JOHN ADAM BURSARIES** (*Theology*).—Three in number, founded by Mr. John Adam, of the Inner Temple, who died in 1836. They are open to competition to students in Theology of the first year; and, after examination, are adjudged to the three students who shall be declared to be the most deserving, and to have made the highest attainments in Latin, Greek, Logic, Moral and Natural Philosophy, and Mathematics. In appointing to one of the Bursaries, there is a preference, *ceteris paribus*, to the kindred of the founder, and to students of the name of Adam or Dollar. The trustees and patrons are the Principal, the Professor of Theology, and the five Professors of the Gown Classes. These Bursaries are tenable for four years. Value, £15 to each Bursar.

*Bursars*—<sup>1</sup>James M. Binnie, M.A., 1890; George A. Stalker, 1892; Francis G. Geddes, M.A., 1892.

**ADAMSON BURSARY** (*Arts*).—Founded by the Rev. David Adamson, minister of Fintry, in 1674, is appropriated to a student in Philosophy, son of a freeman in one of the seven Incorporate Trades of Stirling. It is tenable for four years by a student entering the Greek Class, for three years by a student entering the Logic Class; and the appointment is vested in the Convener Court of Stirling. Value, the free proceeds of the capital, which now amounts to about £500.

**ANGUS AND MEARN'S BENEVOLENT SOCIETY'S BURSARIES** (*Arts*).—Two in number, founded in 1860 by the Glasgow Angus and Mearns Benevolent Society. Value, £15 per annum each. They are, as a rule, tenable for four years in the Arts Classes, and are open only to natives, or sons of natives, of the counties of Forfar and Kincardine, who are desirous of obtaining a University education, but whose circumstances are such as to render them unable to accomplish it without the aid of a Bursary. When a vacancy occurs applications are to be made, not later than 1st September, to Mr. Stuart Spence, 52 Virginia Street, Glasgow.

*Bursars*—Robert Y. Graham, 1891; <sup>2</sup>Edwin Lyell, 1891 (2 years).

<sup>1</sup> Vacant—Bursar's course finished.

<sup>2</sup> Vacant through lapse of time.

ARDKINGGLASS BURSARY (*Arts and Theology*).—Founded in 1733, by Sir James and Lady Campbell, out of a fund which Colonel John Blackader had by his Will set aside for pious uses. Tenable for eight years—five in Languages and Philosophy, and three in Divinity. Patron, Mr. Geo. F. W. Callander, of Ardkinglass and Craigforth. Bursar to be found duly qualified by Principal and Masters; and to take the degree of M.A. before passing to Divinity. Value, £9 10s.

*Bursar*—John M. Watson, 1892.

ARMAGH BURSARIES (*Theology, Law, or Medicine*).—Three in number, founded in 1733 by Hugh Boulter, Archbishop of Armagh, who endowed the College with the annual rent of certain lands in the neighbourhood of Glasgow. By ordinance of the Universities Commissioners, of date 17th May, 1862, these three Bursaries were raised from £15 to £25 per annum each (the funds having accumulated through vacancies), and the restrictions as to birthplace were removed. On each vacancy, the most distinguished Graduate in Arts of the year, who offers himself as a candidate, is appointed by the Senate.

The Bursaries are tenable for three years, during which the holders must give regular attendance on the classes of this University, as students of Theology, Law, or Medicine. One Bursar is appointed at the commencement of each session, and no appointment is made of more than one Bursar in the same year.

Names of candidates to be sent in to the Clerk of Senate on 1st December in each year.

*Bursar*—William Thomson, M.A., 1892 (1891); Alexander Taylor, M.A., 1892.

AYRSHIRE MASONIC BURSARY (*Arts*).—This bursary was founded in 1874, the funds for it being subscribed by the Masonic Lodges of Ayrshire. It is open to the sons of Freemasons, members of an Ayrshire Masonic Lodge, and is awarded by competition to a student of the first year. Candidates must be in attendance at school in Ayrshire or be resident in the county, and must not be more than eighteen years of age, at the examination. The bursary is tenable for four years or during Arts curriculum of Bursar, but cannot be held along with any other Bursary. The Bursar must pass the Departmental Examinations for the Degree of M.A. in regular course, on pain of suspension or deprivation. Value, the interest of the mortified fund and annual subscriptions, not exceeding in all £25. When a vacancy occurs applications should be lodged with the Secretary of the Trust, Mr. J. M. McCosh, Clydesdale Bank, Dalry, Ayrshire, on or before the first day of October. The names of candidates approved by the Patrons will be sent by him to the



Clerk of Senate to be entered at the University competition for Bursaries for students of the first year.

*Bursar*—William W. Fulton, 1892.

GLASGOW Ayrshire SOCIETY'S BURSARIES (*Any Faculty*).—Four in number, founded in 1868 and 1879 by the Glasgow Ayrshire Society, and consisting of the free annual proceeds of a sum of £1,501 11s. subscribed by members of the Society, to be devoted to the establishment of Bursaries in the University of Glasgow, and invested for that purpose. The Bursaries, which are at present £15 per annum each, are tenable for not more than three years, and are open to applicants between the ages of 14 and 24, who are descendants of members of the Society, or natives of Ayrshire, or sons of natives resident in Glasgow, who are in circumstances rendering the aid of a Bursary necessary or desirable. Patrons—the Directors and Office-bearers of the Society. Secretary, Mr. James Graham Girvan, 186 West George Street, Glasgow. (Two Vacancies.)

*Bursars*—Daniel Scott, 1891; Hugh M'Intyre, 1891.

BARBOUR KILBARCHAN BURSARY (*Arts*).—Founded in 1887 by the Executors of Miss Mary Barbour of Plymouth Grove, Manchester, who bequeathed £500 free of legacy duty for the purpose of endowing a Scholarship for the Board School of Kilbarchan, Renfrewshire. The Bursary is open to students of the first year, and is tenable for three years. Candidates must not exceed the age of eighteen years, must produce a certificate from the Kilbarchan School Board that they have attended three years at the Kilbarchan Village or Town Board School, are of irreproachable character, and have given satisfactory evidence of good natural ability, diligence and proficiency in their studies, and must be examined at the ordinary Bursary examination.

*Bursar*—James Buchanan, 1891.

BIGGART MEMORIAL BURSARIES (*Arts*).—Ten in number. Value, £25 per annum each. Founded in 1876 by Mr. Thomas Biggart, of Baidlandhill, Dalry, Ayrshire, in memory of his son, Thomas Biggart, an alumnus of Glasgow University, who died in 1874. The Bursaries are open to competition at the annual Bursary and Preliminary Examination to students who are entering on the Arts Course at the University of Glasgow, with a view to the ministry of the United Presbyterian Church, and are designed to enable such students more easily to pursue that curriculum and obtain, as far as practicable, the Degree of Master of Arts.

The Bursaries are tenable for four years.

The Bursary Fund consists of the sum of £6,000, invested in real estate in Scotland, and the surplus revenue may be applied to prolong the tenure of any of the Bursars for a fifth year, or to the granting of additional Bursaries on the same conditions as are applicable to the others.

The Bursary is payable by equal moieties on the second day of February and at the close of the Winter Session ; and the Bursar, on applying to the Principal for a precept for the second moiety, is required in each year to produce, besides the usual certificate from the Professors, a certificate signed by the Chairman and Clerk of the Theological Committee of the U.P. Synod, to the effect of his being recognized by that Church as an accepted student, pursuing his studies with a view to the ministry therein. (Two vacancies.)

*Bursars*—<sup>1</sup> William C. Miller, 1889 ; <sup>1</sup> Andrew Patrick, 1889 ; <sup>1</sup> Andrew M'Lachlan, 1889 ; Thomas Anderson, 1890 ; Samuel H. M'Ewing, 1890 ; James Mackenzie, 1890 ; George Lamb, 1891 ; Herbert A. Whitelaw, 1891 ; Andrew B. Scott, 1892 ; Charles Dick, 1892 ; Arthur W. Wilkie, 1892.

**BLACK BURSARIES (Arts).**—Founded by Mrs. Janet Black, widow of the Rev. William Black, D.D., minister of the Barony Parish, Glasgow. Mrs. Black died in 1876, and by her Settlement, made provision, *inter alia*, for the institution of two Bursaries in Arts, each of the annual value of £20 or thereby. The Bursaries are open to competition to students entering on their first session in the University ; and the Bursars are required to attend the qualifying courses for a Degree in Arts.

*Bursars*—William K. Gillies, 1891 ; James D. Cowan, 1892.

**BLACK BURSARIES (Theology).**—Founded by Mrs. Janet Black—who died in 1876—in memory of her husband, William Black, D.D., Minister of the Barony Parish of Glasgow. The Bursaries are entrance Bursaries, two in number, each of the annual value of £40 or thereby, tenable for three years. The competition is open to candidates holding a degree in Arts in any Scottish University, or who have passed their examinations in any two departments for graduation in Arts. Candidates must be members of the Established Church of Scotland.

*Bursars*—<sup>1</sup> Hugh Y. Arnott, M.A., 1890 ; John Whyte, 1892.

**BLACKQUARRY SCHOOL BURSARY (Arts).**—Founded in 1876 by the Trustees of the Blackquarry School, Port-Dundas, Glasgow. The Police Board of Glasgow having acquired the school compulsorily under "The Glasgow Police Acts," the Trustees resolved to apply the proceeds, after payment of all claims upon the institution, in founding a Bursary in the University of Glasgow. The Bursary is open to competition to Students in the Faculty of Arts on their first entering the University, under the same regulations as those of the competition Bursaries in the University, and is tenable for four years, subject to the condition that the Bursar shall attend the qualifying course for the Degree of M.A. Value, the annual income of a sum of £420 (about £13).

*Bursar*—<sup>1</sup> George M'Pherson, 1889.

<sup>1</sup> Vacant through lapse of time.

**BOYD BURSARIES** (*Theology*).—In 1635, Mr. Zachary Boyd founded three Bursaries for students in Divinity, tenable for two or four years. Value, £5 10s. per annum each. The patrons of two were the members of the City Council ; and the appointment of the third was vested in the Merchants' House of Glasgow. Preference to burgesses' sons, particularly of the name of Boyd.

By ordinance of the Universities Commissioners, of date 17th May, 1862, the two Bursaries in the gift of the Town Council were conjoined into one, tenable for three years ; the Bursar to be M.A. The Bursary in the gift of the Merchants' House is now combined with the Sanders Bursary—(See below).

*Bursar*.—(Town Council)—Donald Macgillivray, M.A., 1892.

**BOYD AND SANDERS BURSARY** (*Theology*).—The Boyd Bursary (see above), value, £5 10s., in the gift of the Merchants' House of Glasgow, and the Sanders Bursary, value £8 6s. 8d., founded in 1728 by Mr. Robert Sanders of Auldhouse, also in the gift of the Merchants' House, were, by an order obtained under the authority of the Endowed Institutions Commission in 1880, conjoined into one Bursary of £13 16s. 8d. per annum, tenable for not more than three years by a student attending the ordinary curriculum in the Faculty of Theology at the University of Glasgow. There is a preference, *ceteris paribus*, to the names Boyd, Sanders, Corbet, Colquhoun, and Wardrop. When a vacancy occurs applications are to be lodged with Wm. H. Hill, LL.D., Clerk of the Merchants' House, on or before 1st October.

*Bursar*—Samuel Carmichael, 1892.

**BRAND BURSARIES** (*Arts*).—Mr. Robert Brand, son of the late Mr. Robert Brand, coalmaster, Wishaw, by his Trust Disposition and Settlement, dated 28th June, 1873, directed his Trustees "to pay to the Senatus of the University of Glasgow the sum of £2,000, the income of said sum to be applied in payment of three Bursaries in Arts for the behoof of students in the University who shall be studying with a view to the ministry of the United Presbyterian Church." Mr. Brand died on 3rd July, 1873, but, in consequence of litigation, it was not till January, 1875, that the bequest, amounting, with interest, to the sum of £2,121 7s. 5d., was paid by the Trustees to the Senate. The Bursaries, which are tenable for four years, are of the annual value of about £24 each, and are awarded by public competition to students entering their first or second session in the Faculty of Arts ; the Bursars to graduate as M.A. at the end of their course. The next appointment will be made in 1895.

*Bursars*—James Ferguson, 1890 ; Alexander M. Wright, 1891 ; John E. M'Intyre, 1892.

**BRISBANE BURSARY** (*Medicine*).—Founded by Miss Christian Brisbane in 1777, in fulfilment of the intentions of her brother, Dr.

John Brisbane, of Balbegno. Their father, Dr. Thomas Brisbane, was the first Professor of Anatomy in this University.

It is tenable by a student of Medicine for four years, and the salary is about £42 per annum. The family of Brisbane and the University present alternately. The applicant must be under twenty-two years of age, and must have the Degree of M.A.

Preference is given to the kin of the founder.

*Bursar*—Thomas Hunter, M.A., 1892.

BROWN BURSARY (*Arts*).—Founded in 1697 by Colonel Brown, of Maryland. Tenable for four years. Value, £5 per annum (increased to £6 13s. 4d. by addition from Students' Bursary Fund). The Patrons are the Principal and Professors of the University, who now award it by competition.

*Bursar*—William A. Morton, 1891.

BROWN OR ETTLES BURSARIES (*Theology*).—Two in number, founded in 1867 by Miss Ettles, of Inverness, in memory of her brother-in-law, Dr. E. Brown, an alumnus of this University. The Bursaries consist of the annual interest and proceeds of a sum of £1,000, and are open to competition to first year's students of Divinity who have passed all the examinations required for the ordinary Degree of M.A.; with a preference, *cæteris paribus*, to such as can speak Gaelic. The Bursaries are tenable for three years.

*Bursars*—Archibald Macintyre, M.A., 1892 (1891); William M. Steven, 1892.

EBENEZER BROWN BURSARY (*Arts*).—Founded in 1884 under the Trust Disposition and Settlement of Mr. Ebenezer Brown, export bottler, West Campbell Street, Glasgow. Mr. Brown, who died on 31st July, 1883, bequeathed to the Senate the sum of £1,000, free of legacy duty, for the purpose of founding and maintaining a Bursary in the Faculty of Arts, to be granted to the student who shall stand highest in a competitive examination on such subject or subjects in Arts as the Senate may prescribe. The Senate have full power to vary such subject or subjects from year to year, and to lay down such regulations regarding the Bursary as they may see fit. The Bursary is open to competition to all students entering on their first or second year of attendance, provided that no student in his second year shall be eligible who on entering upon his first year of attendance passed the Preliminary Examination in Latin and Greek, and in consequence of having so passed attended the Senior Classes of those subjects. It is tenable for three years.

*Bursar*—Thomas Nelson, 1892.

BROWNE (AYRSHIRE) BURSARIES (*Arts*).—Two in number, tenable for four years, and each of the annual value of about £20, founded in 1871 by Mr. Hugh Browne, residing at Darvel, in the county of Ayr, who for this purpose, and in memory of his brother, the late



Dr. Alexander Browne, of Buenos Ayres, mortified to the University of Glasgow the sum of £1,000. The Bursaries are awarded by competition. Candidates must be natives of the county of Ayr, or must have been educated for not less than four years in a school within the said county, and must be entering on their first session at the University.

*Bursars*—<sup>1</sup>William R. Skeoch, 1892 (1889); William Stewart, 1892.

**BROWN-PATON BURSARIES** (*Arts*).—Founded in 1891 by Mr. Andrew Brown-Paton, Liverpool, in memory of his father, mother, and three sisters. The Bursaries are two in number, and are tenable for three years. They are open for competition to students of the first year, with a preference to natives of the parishes of Loudon or Galston in Ayrshire. Should no candidate from either of these parishes come up to the standard of the Entrance Examination then held in Arts, the Bursaries are open to candidates from any part of Ayrshire. Failing qualified candidates from Ayrshire the Bursaries are open to all students of the first year. In case of a vacancy, otherwise than by lapse of time, a student of the same standing is appointed by the Senate by examination or otherwise. Each Bursar receives one-half of the free proceeds of the capital sum, £1,000, paid over to the University Court by the founder.

*Bursar*—Robert C. Mitchell, 1891; George Cunningham, 1892.

**BUCHANAN BURSARIES** (*Arts*).—Founded by the late Robert Buchanan, LL.D., Ardfillayne, Dunoon, formerly Professor of Logic and Rhetoric in the University of Glasgow, by Codicils to his Will, dated 26th December, 1871, and 26th March, 1872, in which, as a "token or expression of his gratitude and respect to the University of Glasgow, with which, as a student, or Professor, or member of the University Court, he had been connected for the space of fifty years," he bequeathed the sum of £1,000 for the purpose of founding a Bursary or Bursaries for students in the Faculty of Arts, on the conditions that may appear to the Senatus best for the interests of the University. The Senate resolved to apply the annual proceeds to the support of two Bursars in Arts, each to hold his Bursary for three years, subject to the usual condition of attending two of the classes of the curriculum in each session; the Bursars to be appointed by competitive examination among students of the first year. Present value, £13 to each Bursar.

*Bursars*—George Lyon, 1892; William M. Murray, 1892.

**BUCHANAN (BELLFIELD) BURSARIES** (*Arts and Theology*).—Founded in 1875, in accordance with the Trust Disposition and Deed of Settlement of the late Misses Margaret Jane and Elizabeth Buchanan of Bellfield, Glasgow. The Bursaries are two in number,

<sup>1</sup> Vacant through lapse of time.



and consist of the yearly proceeds of a sum of £4,200, vested in Reduced 3 per cent. Annuities. Open to matriculated students who may be prosecuting their studies at the University of Glasgow, with a view to their becoming licentiates and clergymen of the Established Church of Scotland. The Patrons are the Principal and such of the Professors as hold their appointments from the University Court. The Bursaries are tenable during the whole curriculum "or such portion thereof as to the said Principal and Professors may seem proper." The Bursars are appointed by competitive examination among students of the first and second years in Arts. Present value, £50 per annum to each Bursar.

*Bursars*—John M. Dickie, 1889 ; Ephraim Henderson, 1890.

CELTIC SOCIETY'S CAMPBELL BURSARY (*Any Faculty*).—Founded in 1869 by the Glasgow Celtic Society. Value, at least £5. Tenable for one or more years by a native, or a son of a native, of the Highlands of Scotland, not under 14 nor above 20 years of age, whose circumstances are such as to render aid important. A preference, *ceteris paribus*, to Gaelic-speaking students. Additional Bursaries not exceeding £5 are also granted by the Society, when its funds permit, to Gaelic-speaking students. Applications to be made to the Honorary Secretary, Mr. Charles M. Williamson, 194 West George Street, Glasgow, on or before 1st October in each year. Application forms may be obtained from Mr. Williamson.

*Bursars*—John M'Lean (Campbell Bursary), 1890 ; John M'Gregar (Society Bursary), 1890 ; John M'Callum (Society Bursary), 1891 ; Dugald Bell (Society Bursary), 1892.

GEORGE A. CLARK BURSARIES OR SCHOLARSHIPS (*Arts, etc.*).—(See under "Scholarships.")

JOHN CLARK (MILE-END) BURSARIES (*Arts*).—Founded in 1868 in accordance with the Trust Disposition and Deed of Settlement of the deceased Mr. John Clark, junior, of the firm of John Clark, junior, & Co., thread manufacturers, Mile-End, Glasgow. By a Deed of Constitution of date 1st August, 1866, the "Clark Bursary Fund" is placed under the management of twelve trustees. The Bursaries are to be at least two in number, of the annual value of £30, open for competition to all Protestant students of good moral character, sons of Protestant parents, entering on their first session in the Faculty of Arts (a preference, *ceteris paribus*, given to orphans), and are tenable for four years, subject to the condition that the Bursars proceed through the curriculum of Arts in Glasgow University. The competition is to be in writing, and the trustees are to appoint the subjects of examination. The Bursary fund consists of the residue of the Testator's estate, said residue amounting to upwards of £30,000. Six Bursaries on this foundation will be competed for in October, 1893.

*Bursars*—<sup>1</sup>George N. M. Birkett, 1889 ; <sup>1</sup>William Blue, 1889 ; David H. Crawford, 1890 ; James Dick, 1890 ; William L. Ramsay, 1890 ; Robert B. Walker, 1890 ; Robert Howie, 1891 ; William M. R. Pringle, 1891 ; William Jordan, 1891 ; William Boyd, 1891 ; William H. Low, 1891 ; John Young, 1891 ; James W. Copeland, 1892 ; John W. Henderson, 1892 ; Alexander J. Martin, 1892 ; John M. Ramsay, 1892 ; Gavin Scott, 1892 ; John Buchan, 1892.

COWAN BURSARIES (AYR ACADEMY) (*Arts*).—These Bursaries were founded by the late David Cowan, Esq. of Auchendrane, who bequeathed to the Directors of the Ayr Academy the sum of £2,000, to be invested and held by them in trust, and the annual income thereof applied as Bursaries, to promote the education of two students, one at each of the Universities of Edinburgh and Glasgow, who should have received their previous education, or part of it, at Ayr Academy. These Bursaries are now administered by the "Ayr Educational Trust." Under Scheme 328, Section 26, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council on 8th February, 1890, the Governors are instructed to apply an annual sum of not less than £80 in establishing Bursaries for University education, to be called the Cowan Bursaries, each of the yearly value of not less than £20 nor more than £30. These Bursaries are awarded by competitive examination among those who have been pupils in the Ayr Academy for at least two years before the date of examination. The Governors have resolved to award them alternately to students of Glasgow and Edinburgh Universities. The Bursaries are tenable for three years, the total value of each being £80, payable by instalments of £30 per annum for the first two years, and £20 for the third year. On a vacancy, intending candidates must send in their names and addresses to the secretary, Mr. J. G. M'Skimming, 7 Wellington Square, Ayr, on or before the fifteenth day of October ; and the Senate of the University of Glasgow undertakes the examination of candidates who offer themselves for the Bursary to be held at this University. (One vacancy.)

*Bursar*—(At Glasgow University)—John Wallace, 1891.

CRAIG BURSARY (*Arts*).—Founded by Mr. John Craig, merchant in Glasgow, in 1697, for students in Philosophy. Tenable for four years. Preference to kindred of Founder, and students of the name of Craig. Value, £8 6s. 8d. per annum, increased by the Patrons in 1880 to £25. Appointment by the Merchants' House. Applications to be lodged with W. H. Hill, LL.D., Clerk to the Merchants' House, on or before 1st October of the year in which a vacancy occurs.

*Bursar*—John B. Craig, 1890.

ARCHIBALD CRAIG BURSARY (*Arts*).—The Rev. Archibald Craig,

<sup>1</sup> Vacant through lapse of time.

some time minister of the Free Church at Dalton, thereafter residing at Eaglesham, who died on 10th March, 1873, by his Will, dated 4th March, 1873, bequeathed a sum which, with accretions, now amounts to £250, to be devoted to the foundation of a Bursary in the University of Glasgow. The Trustees of the Bursary Fund are—the Minister for the time being of the Parish of Eaglesham, the Minister for the time being of the United Presbyterian Church, Newton-Mearns, and certain other gentlemen. The Bursary was founded in 1884. It is open to competition, at the annual Bursary Examination, to all students entering on the first session of attendance at the University, who are natives of the parishes of Eaglesham or Mearns, or who for two consecutive years have attended school in either of said parishes; is awarded by the Senate in accordance with the result of that examination; and is tenable for the first two years of such student's attendance at the University. The Bursary is payable at the close of the winter session. Should the Bursary be in abeyance during any session or sessions, from failure of students falling under the above description, the accumulation may, in the discretion of the trustees, be applied to the increase of the Bursary in any subsequent session or sessions, or may be added to the capital fund. (Vacant.)

CRAWFURD OR BISHOP'S BURSARY (*Arts*).—Founded by Captain Thomas Crawford, of Jordanhill, in 1576. Appropriated to a student in Languages. Tenable for four years. Value, a chalders of meal (£12 or thereby) per annum. The Patrons are the Principal and the Professors of the University.

By ordinance of the Universities Commissioners, dated 7th June, 1862, this Bursary is placed upon the same footing as the Forfar Bursaries (for which see p. 202).

*Bursar*—David P. Fleming, 1892.

DAVIDSON BURSARIES (*One in Arts and one in Medicine*).—Two in number, founded in 1881, in terms of the Trust Disposition and Settlement of Mrs. Eliza Davidson who bequeathed £2,000 for that purpose, the one bursary being in memory of her husband, John Davidson, surgeon, Newmilns, and the other in memory of her son, Francis John Ferguson Davidson. A preference is given, *cæteris paribus*, to the Founder's relatives, and to young men natives of the parishes of Muirkirk, Dalswerry, Lesmahagow, and Loudon. One of the Bursaries is open to competition to students of the first or second year in the Faculty of Arts, and is tenable for three years, but the second moiety of the third year's Bursary is not payable until the Bursar shall have obtained two out of the three Departmental Certificates for the Degree in Arts. The other Bursary, also tenable for three years, is awarded to the medical student who stands first in the First Professional Examination, provided that his at-

tendance at the classes has not exceeded the requirements of the Ordinance.

*Bursar in Arts*—James Gillespie, 1891.

*Bursar in Medicine*—Robert Buchanan, 1892.

DENNY BURSARIES (*Any Faculty*).—Four in number, founded in 1875, by Mr. Peter Denny, engineer and shipbuilder, Dumbarton. Value, not less than £30 per annum each, and tenable for four years. Open for competition to all students entering the University who are not under fourteen years of age, and who have been pupils in regular attendance at the Dumbarton Burgh Academy for at least two years, one of which must be immediately preceding the date of such entry. One of the Bursaries will be competed for at the beginning of next session. The examination will be in the same subjects and at the same time as the examination for the other competition Bursaries. The Trustees are Mr. Peter Denny, Mr. John M'Ausland, the Principal and Professors, and the Assessor of the General Council in the University Court.

*Bursars*—<sup>1</sup> Allan M. Robertson, 1889 ; Alexander G. Craig, 1890 ; William Allan, 1891 ; Robert P. R. Anderson, 1892.

GLASGOW DUMFRIESSHIRE SOCIETY'S BURSARIES (*Any Faculty*).—Two in number, the one founded in 1874 and the other in 1876. They are in value, £15 per annum each, are tenable for four years, and consist of the annual proceeds of a sum subscribed by members of the Glasgow Dumfriesshire Society and invested for the establishment of Bursaries in Glasgow University. The Bursaries are open to first and second year's students, between the ages of 14 and 21, who are either descendants of members of the Glasgow Dumfriesshire Society, or natives of Dumfriesshire, or sons of natives resident in Glasgow, whose circumstances render the aid of a Bursary necessary or desirable. Application to be made to the Secretary, Mr. Francis Stoddart, 58 West Regent Street, Glasgow, not later than 1st September of the year in which a vacancy occurs.

*Bursars*—John Affleck Hope, 1890 ; James A. Maclean, 1892.

DUNCAN'S BUTE BURSARIES (*Arts*).—Founded in 1875 for the benefit of natives of the island of Bute, by Mr. James Duncan, of Valparaiso, and afterwards of Rothesay, who by his Will of date 19th October, 1874, bequeathed £2,000 for this purpose. The Trustees and Patrons are the Principal, the Professor of Mathematics, the Professor of Natural Philosophy, and the Provost of Rothesay, all for the time being. Candidates must be natives of the island of Bute, and must be entering on their first or second session in the Faculty of Arts at the University. The Bursaries are two in number, tenable for four years ; but the Patrons may in each case continue the Bursary for a fifth year to assist a student who may

<sup>1</sup> Vacant through lapse of time.



have been assiduous in his Academical studies, in private study, or in Continental travel, or other pursuits conducive to relaxation, combined with enlargement of his experience of men and things. The examination is in the same subjects and at the same time as the examination for the other competition Bursaries. There is a preference, *ceteris paribus*, to the name of Duncan, in such degree as the Patrons shall determine; in other cases of equality the Bursary may be divided. Present value, £35 to each Bursar. The next appointment will be made in 1895.

*Bursar*—George Murray, 1892.

DUNDONALD BURSARIES (*Eight in Arts and Six in Theology*).—In 1672, William, Earl of Dundonald, founded seven Bursaries—four in Philosophy and three in Divinity. The Philosophy Bursaries are tenable for four years; the Divinity Bursaries for two years.

The Bursars in Philosophy receive £40 each per annum, and those in Divinity, £41 2s. 6d. The appointment is now vested in the Duke of Hamilton.

In 1858, the surplus funds of this foundation having greatly accumulated, an Act of Parliament was obtained, authorizing an increase in the number of Bursars, but providing that the total number of Bursars in Philosophy shall, at all times, bear to the number of Bursars in Divinity the proportion of four to three, as nearly as may be. The Bursaries are now fourteen in number—eight in Philosophy and six in Divinity.

*Bursars in Philosophy*.—<sup>1</sup>John A. Nicholls, 1889; John Shaw, 1890; Henry A. Williamson, 1890; John Struthers, 1891; George S. Adams, 1891; Archibald Hunter, 1891; John A. Black, 1892; Ronald C. Kerr, 1892.

*Bursars in Divinity*.—<sup>1</sup>Thomas Kearney, 1891; <sup>1</sup>David Young, 1891; Alexander Maclellan, 1892; John B. Mackenzie, M.A., 1892.

ELDER BURSARIES.—With a view to the encouragement of merit shown by the sons of working men, Mrs. Elder has intimated her intention of giving annually to the most deserving student of the Science and Art Classes in connection with the Young Men's Christian Association, Govan Section, a Bursary of £25 per annum, to which will be added by the Department of Science and Art an equal sum, making £50 in all. The Bursaries will be tenable for two years.

Candidates must have taken the undermentioned classes in the Govan Science and Art Section:—Mathematics (2nd stage); Theoretical Mechanics (Elementary); Steam and the Steam Engine, or Naval Architecture (advanced stage).

The competition by which the Bursar is to be selected will be in the above subjects, and will be conducted by the Department of

<sup>1</sup> Vacant through lapse of time.



Science and Art at the May examination. The fifth examination will be held in May, 1893.

Candidates must be employed in workshops on the Govan side of the Clyde from Glasgow to and including Renfrew, or must reside in the district. A Bursar will be required to enrol in and attend the following classes at the University during the first year of his attendance :—(1) Natural Philosophy ; (2) Chemistry (lectures); (3) Mathematics ; (4) Naval Architecture and Marine Engineering. During the second year of attendance : (1) Mathematics ; (2) Civil Engineering and Mechanics (lectures); (3) Naval Architecture and Marine Engineering. These Bursaries are to be continued during Mrs. Elder's pleasure.

**JAMES EWING ENTRANCE BURSARIES (*Arts*).**—Four in number, founded in 1879, by the Merchants' House of Glasgow, in accordance with the Deed of Endowment of the late Mr. James Ewing of Strathleven. The Directors resolved to apply annually £80 of the income of his legacy of £10,000 for educating, training, and settling in business the sons of Glasgow merchants in entrance Bursaries of £20 each. The Bursaries are tenable for four years by students giving regular attendance on classes in the Faculty of Arts. Open to first year's students. The appointments to the Bursaries will be made in accordance with the annual Bursary competition at the commencement of the session ; candidates to be qualified as above. Applications to be lodged with Wm. H. Hill, LL.D., Clerk of the Merchants' House, on or before 1st October, in each year.

*Bursars*—William R. Gourlay, 1890 ; James N. Gray, 1891 ; Charles R. M'Clure, 1892.

**EXCHEQUER BURSARIES (*Arts and Theology*).**—These Bursaries, six in number, were founded by King William III., in 1695. They are tenable for six years ; the first in Logic, the second in Moral Philosophy, the third in Natural Philosophy, and the last three in Divinity. In case of a vacancy by death or otherwise, a student of the same standing with the late Bursar is appointed for the remainder of the time. The Bursars in Philosophy receive £10 per annum each, and those in Divinity £13 6s. 8d.

*Bursars*—<sup>1</sup> John Fairley, 1890 (1887) ; Ernest S. Gunson, 1891 (1888) (Divinity) ; Guy S. Peebles, 1892 (1889) (Divinity) ; Andrew E. Wallace, 1890 (Divinity) ; Duncau M. Macrae, 1891 (Nat. Phil.) ; Daniel Scott, 1892 (Mor. Phil.).

**JAMES FERGUSON BURSARIES (*Theology, Law, Medicine, or Department of Engineering Science*).**—Two in number, founded in 1877, under provision of the Trust Disposition and Settlement of the late James Ferguson, Esq., of Wiston, and consisting of the annual proceeds of a sum of £3,600. The Bursaries are tenable for two years

<sup>1</sup> Vacant through lapse of time.

in any of the three Faculties of Divinity, Law, or Medicine, or in the Department of Engineering Science. The Bursaries are awarded for special proficiency in Arts studies, according to the following rotation, viz. :—In November, 1878, and thereafter, triennially, in Mental Philosophy, including English Literature; in November, 1879, and thereafter, triennially, in Mathematics; in November, 1880, and thereafter, triennially, in Classical Literature. The Examination is the same as that for honours in the corresponding department (with the addition in the case of the Department of Mental Philosophy of a paper on English Literature), at the annual Examination for Degrees in November. Candidates must have completed the course of attendance required for admission to examination in the corresponding department for the Degree of M.A. Each Bursar must pursue the course of study for such Degree in Divinity, Law, Medicine, or Engineering Science, as he may, with approval of the Senate, select. In the event of a successful candidate not having completed attendance on the Arts classes necessary to qualify for the Degree of M.A., he shall be at liberty, without forfeiting his right to the Bursary, to continue his studies in Arts for two years, in order that he may complete his qualifications for graduation; but no part of the Bursary shall become payable until he has selected and entered upon a course of study in one of the three Faculties above mentioned, viz. :—Divinity, Law, or Medicine, or in the Department of Engineering Science. While the Bursary is tenable for two years of such course, the Bursar must continue his attendance on classes beyond the two years, if this be necessary for graduation or for receiving the Certificate of Proficiency in Engineering Science. The Bursar shall not receive payment of any half-yearly Bursar without such evidence as the Senate may require that he is faithfully pursuing the selected course, and shall not receive payment of the fourth half-yearly Bursar until he has graduated or received the Certificate of Proficiency in Engineering. Unless a candidate comes up to at least the standard of Second Class Honours, the Senate shall not be bound to award the Bursary. There is a preference, *ceteris paribus*, to young men natives of the parishes of Lesmahagow or Muirkirk, or the province of Pictou, Nova Scotia, and also to young men of the name of Ferguson or Weir, or to descendants and relatives of the founder.

Candidates for the Bursary to be competed for in 1893 will be examined in Mental Philosophy, including English Literature, on *Saturday, 21st October, Wednesday, 25th October, and Thursday, 26th October*, along with the examinations on these subjects for the Degree of M.A. Names to be given in to the Assistant Clerk (Matriculation Office) not later than 1st October.

*Bursars*—Daniel Lamont, 1891; John M'Gilchrist, M.A., 1892.

FORFAR BURSARIES (*Arts*).—Founded by the Countess of Forfar in 1737, and foundation remodelled by the Universities Commis-

sioners, by ordinance of 31st May, 1862. There are now four Forfar Bursaries in the gift of the Senate: the holder of each to receive £30, if the funds allow. These Bursaries are open for competition to all students entering the first or second session of attendance in the Faculty of Arts, and are tenable for four years; subject, in each case, to the condition that the Bursar shall pass the examinations required of students proceeding to the Degree of M.A. In the event of a vacancy occurring otherwise than by lapse of time, a student of the same standing as the late Bursar may then be appointed for the remainder of the period, otherwise the Bursary continues vacant till the end of that period.

*Bursars*—<sup>1</sup> Andrew M. Barr, 1892 (1889); Joseph F. McFadyen, 1890; John S. Thomson, 1891; William L. Parkin, 1892.

FORREST BURSARIES (*Any Faculty*).—Founded by Mr. William Forrest of Easter Meadowhead, Drumgelloch, and Meadowsides, by Deed of Mortification, of date 6th March, 1858. The Trust was re-constituted in 1886, under a Scheme of the Educational Endowments Commission. The Bursaries are five in number, each of the annual value of £22, and tenable at the University of Glasgow, for such number of years, not exceeding five, as the Governors may determine. The Bursaries are awarded by competitive examination among young men who require aid in obtaining a University education, and who have been pupils in public or State-aided schools within the parishes of New Monkland, Slamannan, and Shotts, or who are natives of said parishes. Bursars cannot hold another Bursary, must prosecute a course for some degree, and attend at least two classes each session.

Governors—The Provost of Airdrie, the ministers of the parishes of New Monkland, Airdrie, and Clarkston, one representative from each of the School Boards of Airdrie and Clarkston, and one from the School Boards of Slamannan and Shotts alternately, and one appointed by the Sheriff of Lanarkshire. Secretary and factor, Mr. James Chapman, Town-clerk, Airdrie. (Two vacancies.)

*Bursars*—Robert B. Wiseman, 1892; Andrew Clark, 1892; Thomas Bell, 1892.

FOUNDATION BURSARIES (*Arts*).—These Bursaries, four in number, were founded by James VI., in 1577, for students in Languages and Philosophy. The value of each is £10 per annum. The right of presentation belongs to the Senate. By ordinance of the Universities Commissioners, of date 7th June, 1862, these Bursaries are put upon the same footing as the Forfar Bursaries (for which see above).

*Bursars*—<sup>1</sup> William S. Templeton, 1889; Robert Rule, 1890; William Watson, 1891; John L. Wark, 1892.

FULLARTON OF OVERTON BURSARIES (*Arts*).—By Deed of Mortification and Constitution, dated 22d December, 1877, the Executors

<sup>1</sup> Vacant through lapse of time.

of the late John Fullarton, Esq. of Overton, West Kilbride, Ayrshire, in pursuance of his Trust Disposition and Settlement and Codicils, assigned to the Principal and Professors of Glasgow University, as Patrons, the residue of his estate, amounting to £2,604 17s. 7d., for the purpose of founding five Bursaries, more or less, each of the annual value of at least £10, but not exceeding £30. The Bursaries are tenable for two years by students in Arts under 25 years of age, belonging to or resident in the district of Cunninghame, in Ayrshire, children of parents whose means and social position are not above those of tradesmen, small farmers, or shopkeepers, or others who may be struggling to secure their better education, and are by themselves, or with such assistance as they may be able to get from their parents or relations, unable to provide for the expenses of a University education. The Bursaries are awarded by competitive examination in Latin, Elementary Mathematics, and English; but no candidate is eligible who has attended any University for more than one session. A Bursary may be divided between two candidates of equal or nearly equal merit, but as between a candidate who has not previously attended any University and a candidate who has so attended, the former is preferred. A Bursar may attend each session one or more of the classes in the Faculty of Arts, the selection of classes being left to his own option. Any accumulations through vacancies are added to the capital sum. Candidates are required to produce evidence of age.

*Bursars*—<sup>1</sup>Robert Muir, 1891; <sup>1</sup>David Blair, 1891; <sup>1</sup>Mungo M. Fairgrieve, 1891; John Jeffrey, 1892; David Stevenson, 1892.

GENERAL COUNCIL BURSARIES (*Arts*).—Under a scheme originated by Mr. David Hannay, clerk to the General Council, a sum of about £500 (Fund No. I.) was raised by subscription among the members of Council for the foundation of Bursaries to be held for three years, and open to competition to first and second year's students in Arts. This fund has now been exhausted. In addition, a sum of £2,300 (Fund No. II.) has been raised to form the nucleus of a permanent General Council Bursaries Fund. Of this sum £1,000 is due to the liberality of the late Rev. Wm. Park, D.D., minister of Airth, to be applied in memory of his brother, the Rev. John Park, D.D., minister of Cadder. With Dr. Park's consent, this sum was appropriated to two Park General Council Bursaries of £20 a-year, open to second year's students, and tenable for two years. (Two vacancies.)

*Bursars*—<sup>1</sup>John J. H. Johnston, 1890; William Gow, 1891; James C. Kinnis, 1892; <sup>1</sup>Robert S. Macmorran, 1891 (Park); Arthur S. Middleton, 1892 (Park).

JOHN GIBSON BURSARIES (*Any Faculty*).—Founded in 1877 by Miss Jane Gibson, in memory of her father, John Gibson, of Oakband and Johnstone, merchant in Glasgow. The Bursaries, which

<sup>1</sup> Vacant through lapse of time.



may be given to one student, or at most two, consist of the annual proceeds of £1,000. The administration is vested in trustees, who have great discretionary powers as to the conditions on which the Bursaries may be held. Their subsisting resolution is to award the Bursary to a Medical student entering on the second or third year of his course, to be retained for three years, with a reserved power to the Trustees, in the case of a Medical student entering on his second year, to continue the same for a fourth year to any specially deserving Bursar. When a vacancy occurs applications are to be made to James Graham, LL.D., writer, 198 West George Street, Glasgow, who will furnish forms of application.

*Bursars*—Robert W. Forrest, 1890; Anthony Vost, 1892.

GILCHRIST BURSARY (*Arts*).—Founded by Mr. John Gilchrist, in 1700, for a student in Philosophy, being the son of a tradesman freeman in the Burgh of Glasgow. Preference to names Gilchrist, Bryce, and Boyd. Value, £8 per annum. Appointment by the Trades' House. (Vacant.)

GILHAGIE BURSARY (*Theology*).—Founded in 1753 by Agnes Gilhagie, widow of William Somerville, merchant in Glasgow, for a student in Divinity. Tenable for four years. Value, £6 6s. per annum. Appointment by the Magistrates, Town Council, and Ministers of Glasgow.

*Bursar*—Thomas N. Allan, 1892.

GLASGOW CITY EDUCATIONAL ENDOWMENTS BURSARIES (*Arts*).—Under scheme 10, section 31, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council, on 19th May, 1885, the Governors of the Glasgow City Endowments Board are instructed to apply the annual sum of £500 in establishing Bursaries at the University of Glasgow. Each Bursary is of the yearly value of £25. One half of these Bursaries are to be awarded among the Queen's Scholars at Training Colleges who have attended two years at the University of Glasgow, on the report of the Board of Examiners appointed by the Scotch Education Department. Every Queen's Scholar obtaining such Bursary shall be taken bound to complete his curriculum for a degree in Arts or Science during the time he holds the Bursary, and thereafter to submit himself for examination for such degree. The other half of the Bursaries are to be awarded by competitive examination among those who have attended public or State-aided schools in Glasgow, and who require aid in obtaining a University education. They are tenable for four years. Forms of application may be had from the Secretary of the Board—Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street—and should be lodged with him on or before the 1st day of September in each year. The names of candidates who are found to possess the prescribed qualifications will be sent by him to the Clerk of Senate that they may be entered at the University competition



for Bursaries for the first year. The Bursaries will be awarded to those candidates highest in order of merit who fail to win a Bursary at the general competition. In 1892 five Queen's Scholars and three other Bursars will be appointed.

*Bursars*—<sup>1</sup>William S. Macmillan, 1889; <sup>1</sup>Robert Wilson, 1889; <sup>1</sup>Campbell M. Macleroy, 1889; Archibald M'Callum, 1890; Allan M. Nelson, 1890; James Pollock, 1890; Hyam Goodman, 1891; Adam C. Muir, 1891; John W. Fulton, 1892; John Wotherspoon, 1892.

*Queen's Scholars*—<sup>1</sup>James Rodger, 1891; <sup>1</sup>James Lyle, 1891; <sup>1</sup>Colin M. Morrison, 1891; <sup>1</sup>John Struthers, 1891; <sup>1</sup>John Sinclair, 1891; David H. M'Curtain, 1892; Robert Simpson, 1892; Ebenezer Mitchell, 1892; William A. Lindsay, 1892; Joseph Hood, 1892.

GEORGE GRANT BURSARY (*Arts*).—Founded in 1885 by Miss Susan Smith Grant of West Thorn, Lauder Road, Edinburgh, in memory of her father, George Grant, Esq., cotton spinner, Mile-end, Glasgow. Miss Grant assigned and conveyed to the Senate the sum of £1,200 in trust, to be applied in all time coming for providing one Bursary in connection with the Faculty of Arts. Miss Grant retains the right of nomination to the Bursary during her lifetime, but has provided that in the event of her failing or declining to nominate, and in all cases after her death, the Bursar shall be determined by competitive examination of first year students who are entering on a three or four years' course of study, and the Bursary shall be tenable for three or four years accordingly. On the Bursary falling vacant otherwise than by lapse of time, an appointment may be made for the remainder of the term, or for the full period after competition. The Bursar is required to graduate in Arts, and before payment of the second moiety of the last year's Bursary he must produce evidence that he has taken his degree, or that he has obtained all the certificates necessary for graduation. Any accumulations from vacancies or otherwise are to be added to the capital sum.

*Bursar*—<sup>1</sup>David Fergusson, 1889.

GEORGE GRANT, JUNIOR, BURSARY (*Arts*).—Founded in 1885 by Mrs. Agnes Grant or Mair, wife of the Rev. John Mair, D.D., minister of the parish of South Dean, Roxburghshire, in memory of her brother, the late George Grant, junior, cotton manufacturer, Mile-end, Glasgow. Mrs. Mair, with the advice and consent of her husband as her curator and administrator-in-law, and for his interest in the premises, assigned and disposed to the Senate the sum of £1,200 in trust, to be applied by them in all time coming for providing one Bursary in connection with the Faculty of Arts. Mrs. Mair reserves to herself during her lifetime, and thereafter to her husband, should he survive her, the right to nominate to the Bursary, and to fix the classes to be attended by the Bursar and the

<sup>1</sup> Vacant through lapse of time.

period of his tenure. After the death of the survivor the period of tenure of the Bursary is to be four years, and the Bursar is to be selected by competitive examination of first year's students. In the event of a vacancy occurring otherwise than by lapse of time an appointment may be made for the remainder of the term, or for the full period after competition. The Bursar shall require to graduate in Arts, and before payment of the second moiety of the last year's Bursary shall produce evidence that he has taken the degree, or that he has obtained all the certificates necessary for graduation. Any accumulations through vacancies or otherwise to be added to the capital sum.

*Bursar*—Thomas Bennett, 1892.

**HAMILTON BURSARIES** (*Arts and Theology*).—These Bursaries, now six in number, were founded by Anne, Duchess of Hamilton, in 1694. The conditions of tenure are exactly the same as in the case of the Exchequer Bursaries; see page 201. The Bursars in Philosophy receive £20, and those in Divinity £25, per annum each. The right of presentation is vested in the Duke of Hamilton. (Regulated by Act of Parliament, 1758.)

*Bursars*—<sup>1</sup>Donald Macdonald, 1891 (1887); <sup>2</sup>James P. Baird, 1888 (Divinity); John C. McNaught, 1889 (Divinity); Charles Macdonald, 1890 (Divinity); William G. Cameron, 1891 (Nat. Phil.); David Swan, 1892 (Mor. Phil.).

**HAMILTON EDUCATIONAL TRUST BURSARIES** (*Arts*).—Under scheme 39, section 28, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council on 13th May, 1887, the Governors of Hamilton Educational Trust are instructed to apply a sum, not less than £50 yearly, in providing University or Technical College Bursaries. These Bursaries, each of the yearly value of £15, and tenable for three years, are open to be competed for by pupils attending public or State-aided schools in the burgh and parish of Hamilton, who require aid in obtaining a University or higher education. Applications to be lodged with Patrick Keith, Esq., Hamilton, Clerk of the Trust, on or before the first day of October.

*Bursars*—<sup>1</sup>David M. Yule, 1890; R. A. Gray, 1891; Gavin Scott, 1892.

**HANNAY BURSARIES** (*Arts*).—Three in number, founded in 1865 by the late Mr. Anthony Hannay, merchant, Glasgow, in memory of his deceased wife. To be awarded to young men, not under fourteen, and not above nineteen years of age, who are about to commence their studies in the Arts classes, with a view to the Holy Ministry in connection with any of the Evangelical Religious Denominations in Scotland, and who shall engage to attend during each of the first three years of the curriculum not fewer than two classes. The

<sup>1</sup> Vacant through lapse of time.

<sup>2</sup> Vacant by resignation.

principal qualifications of those to be selected are good moral character, promising talent, a fair preliminary education, and a want or deficiency in the necessary pecuniary means for pursuing a University education. Candidates for these Bursaries are required to submit themselves to the annual Bursary Examination at the commencement of the Winter Session of the University of Glasgow, or such other examination as the trustees may appoint; but the result of said examination shall only be taken as one of the tests in judging of the merits of the applicants. The Bursaries to be bestowed for three years—one to be given each year. Value, about £15 per annum each. The appointment is vested in the Principal, the Dean of the Faculty of Procurators in Glasgow, and the President of the Faculty of Physicians and Surgeons in Glasgow. Applications to be made to Mr. Robert Brodie, 77 St. Vincent Street, and also to the Assistant Clerk (Matriculation Office) not later than 1st October.

*Bursars*—<sup>1</sup>William A. Morton, 1890; Arthur S. Middleton, 1891; Muuro Somerville, 1892.

**HASTIE BURSARIES** (*One in Arts and Two in Theology*).—The Rev. Mr. Hastie, by Deed of Mortification dated 5th September, 1707, founded a Bursary for a student in this University, which was first awarded in 1718. By an addition since made to the foundation, the number of Bursaries is increased to three, two in Divinity and one in Philosophy.

By ordinance of the Universities Commissioners, 31st May, 1862, there are three Bursaries on this foundation, each £25 in value—one in Arts, tenable on the same conditions as the Forfar; the other two in Theology, open to competition to all Masters of Arts of any of the Scottish Universities entering upon the first or second year in Divinity, and tenable for three years.

*Bursar in Arts*—<sup>1</sup>William G. Skinner, 1889.

*Bursars in Theology*—Donald D. Macdonald, M.A., 1892 (1891); George G. Duncan, M.A., 1892.

**GLASGOW HIGHLAND SOCIETY'S BURSARIES** (*Arts*).—In 1892 the managers of the Glasgow Highland Society framed a scheme of Scholarships and Bursaries for students of Highland descent. The scheme includes Scholarships tenable at Secondary or Technical Schools, and Bursaries tenable at the Glasgow and West of Scotland College and at the University. The University Bursaries are five in number, each of the annual value of £20, and tenable for four years in the Faculty of Arts, but the continuance of a Bursary in the second and subsequent years is dependent on the character of the certificates obtained by a Bursar in his classes in the previous year. They are awarded by competition.

*Bursars*—Archibald Anderson, 1892; John M'Nab, 1892; Robert Orr, 1892; Neil Ross, 1892.

<sup>1</sup> Vacant through lapse of time.

**HOWISON BURSARY** (*Arts*).—Founded in 1613 by the Rev. John Howison, of Cambuslang. The Bursar to be a qualified scholar of honest name and good report, son of a craftsman of Glasgow, whom failing, any other qualified scholar selected by the Patrons. Annual value, £9. Appointment by the Trades' House. "The Bursar to pass his course within the College." (Vacant.)

**HUTCHESONS' EDUCATIONAL TRUST BURSARIES**.—Under Scheme 9, Section 40, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council, on 5th March, 1885, the Governors of Hutchesons' Educational Trust are instructed to apply an annual sum of not less than £400 in establishing University or Technical College Bursaries. These Bursaries, each of the yearly value of £20, and tenable for four years, are open to be "competed for by boys who have attended not less than two sessions in the Secondary Department of Hutchesons' Grammar School." Forms of application may be had from the Secretary of the Trust—Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street—and should be lodged with him on or before the first day of October in each year. The names of candidates who are found to possess the prescribed qualification will be sent by him to the Clerk of Senate that they may be entered at the University competition for Bursaries for the first year. The Bursaries will be awarded to those candidates highest in the order of merit who fail to win a Bursary at the general competition. In 1893 five Bursars will be appointed.

*Bursars*—<sup>1</sup>Malcolm M'Lucas, 1889; <sup>1</sup>John M. Forsyth, 1889; <sup>1</sup>John M. Hodge, 1889; <sup>1</sup>John D. Louttit, 1889; William Yule, 1890; John Cumming, 1890; James L. Forrest, 1890; John S. Leishman, 1890; Joseph Shillinglaw, 1890; James Weir, 1891; Robert O. Whyte, 1891; Lewis M'Lachlan, 1891; James G. Green, 1891; Richard N. Pattison, 1891; James MacFarlane, 1892; John M. Stewart, 1892; Robert Howie, 1892.

**HYNDFORD BURSARY** (*Arts*).—Founded in 1617 by Mr. Michael Wilson, for a student in Philosophy. Tenable for four years. Value, £6 13s. 4d. per annum. The right of presentation belongs to the representative of Sir James Carmichael, who is at present Sir W. C. Anstruther, Bart. (Vacant.)

**JOHN FERGUSON JAFFREY BURSARY IN MENTAL PHILOSOPHY** (*Arts*).—This Bursary, founded in 1877, is of the annual value of £34, "and shall be awarded to a student on entering the third session of his attendance, *i.e.*, a student who has attended at any of the Scottish Universities during each of the two previous sessions at least two classes in the Faculty of Arts other than the classes of Logic, Moral Philosophy, and English Literature, or who, having passed the Preliminary Examination in Humanity and Greek, has attended for one session the higher classes in those sub-

<sup>1</sup> Vacant through lapse of time.



jects, and who intends to prosecute a full course in the Department of Mental Philosophy, including English Literature." Candidates are examined in such subjects in English Literature and Logic as may be fixed by the Senate. The examiners are the Professors of English Literature, Logic, and Moral Philosophy. The Bursary "shall, as a rule, be tenable for two years, but on condition that the Bursar, during the two years of his tenure, shall complete his attendance on the classes in the Department of Mental Philosophy (including English Literature, unless he shall have attended that class during one of his previous sessions), and shall also attend one at least of the advanced classes taught by the Professors of Logic and Moral Philosophy, and shall pass the departmental examination in Mental Philosophy for degrees." The subjects of examination are—Professor Veitch's *Institutes of Logic*, Part I. (Large print only); Descartes (English Translation of 1879 or subsequent edition), Introduction, sections I., II., III.; *Discourse on Method*; *Meditations*, I. and II.; Shaw's *English Literature* (Murray's Student's Manual) Chaps. IV., V., VI., VII., XI.; Shakespeare's *Julius Cæsar*, as edited by Beeching (Longman's Falcon Series); Zeller's *Socrates and the Socratic Schools* (translated by Reichel), pp. 1-200.

*Bursar*—<sup>1</sup> William P. Hawks, 1891.

MALCOLM KERR BURSARIES (*Arts--Nat. Phil.; and Medicine--Chem.*).—Two in number, founded in 1874, and consisting each of half the free annual proceeds of a sum of £1,000, bequeathed by the late Mr. Malcolm Kerr, stationer in Glasgow. One of the Bursaries is in Natural Philosophy, the other in Chemistry. The Bursaries are given on examination, and are tenable for three years, provided the Bursars continue for so long to prosecute in the University Laboratories, to the satisfaction of the Senate, the study of Natural Philosophy and Chemistry respectively. The subjects of examination in Natural Philosophy are the same as those for M.A., with Second Class Honours; and in Chemistry, the same as those for M.A., with Honours in Natural Science. Present value, £15 to each Bursar. The next appointment in Natural Philosophy will be made in 1895.

*Bursar in Chemistry*—William C. Anderson, 1892.

THE KINTYRE (KER) BURSARY (*Any Faculty*).—This Bursary, founded in 1862 by Robert Ker, Esq., of Auchinraith, merchant in Glasgow, originated in the Founder's desire "to increase the opportunities of acquiring knowledge to the natives of Kintyre."

The Office-bearers of the Kintyre Club were appointed Patrons. By the Deed of Mortification, the free proceeds of a sum of £500 sterling—about £20 sterling—were appointed to be paid to a student to be nominated by them, and who should enjoy the said Bursary for the term of three years while prosecuting his studies at the Glasgow University, with power to the Patrons to determine, in

<sup>1</sup> Vacant through lapse of time.



every case, whether the Bursary should be granted for a longer or shorter period than three years, but in no instance is it to be granted for a longer period than four years to the same student. No restriction is placed upon the student as to his profession or calling. Applicants must be connected with Kintyre, and be entering the University for the first time. Applications to be lodged with the Honorary Secretary of the Kintyre Club, R. Harvey Pirie, LL.B., 173 St. Vincent Street, Glasgow, on or before 10th June.

*Bursar*—<sup>1</sup>Malcolm M'Kinnon, 1889.

THE KINTYRE (ALEXANDER LOVE) BURSARY (*Any Faculty*).—This Bursary was founded in 1890 by the family of the late Alexander Love, of Campbeltown. It consists of the free proceeds of a sum of £300 sterling—about £11—and is administered by the Office-bearers of the Kintyre Club. The Bursar must be a native or the son of a native of Kintyre, or actually resident there, and entering upon his first session at the University. His circumstances must be such as to render aid important. The period of tenure is not to exceed four years. When a vacancy occurs application should be made to the Hon. Sec. of the Kintyre Club, R. Harvey Pirie, LL.B., 173 St. Vincent Street, Glasgow.

*Bursar*—James Moffat, 1891.

LAING BURSARY OR BURSARIES (*Arts*).—The late Alexander Laing, LL.D., some time Professor of Mathematics in Anderson's College, Glasgow, who died in 1882, bequeathed to trustees the sum of £500 to found one or two Bursaries in the Faculty of Arts. The trustees by a deed, dated 26th July, 1883, conveyed to the Senate the sum of £500 of the preference 4 per cent. stock of the Glasgow and South-Western Railway Company, under certain conditions and regulations. The foundation is for providing, in the option of the Senate, one Bursary of £20, or two of £10 each. The Bursary is open to competition to all students entering on their first session in the Faculty of Arts (a preference being given, *cæteris paribus*, to natives of Brechin). The period of tenure is three years. Should the Bursary become vacant otherwise than by lapse of time, the income of the fund during the vacancy is to be added to capital.

*Bursar*—<sup>1</sup>Andrew Robertson, 1890.

JAMES LAING BURSARIES (*Arts*).—Founded in 1892, under the Trust Disposition and Settlement of Mr. James Laing, Writer, Denny. So far as the funds admit, the Trustees appoint annually to two Bursaries, each of the annual value of £25, and tenable for four years. They are open to candidates who have been educated for at least three years in any school or schools in the County (including the Burgh) of Stirling, and who are entering upon their first or second year of study in the University of Glasgow. Appli-

<sup>1</sup> Vacant through lapse of time.

cations with certificates of qualification and good conduct from the teacher or teachers under whom candidates have been educated, should be lodged with Mr. William Jenkins, Writer, Denny, not later than 1st September. The names of candidates who are found qualified will be sent by him to the Clerk of Senate that they may be entered at the University competition for Bursaries. Failing candidates qualified as above, the Bursaries are open to competition to students of the first or second year from any part of Scotland. (Two vacancies.)

*Bursars*—James C. Sanders, 1892 ; John Matheson, 1892.

LAMB BURSARY (*Arts or Theology*).—Founded in 1863, by the late Rev. Dr. William Lamb, minister of Carmichael, and appropriated to a student in Arts or Divinity. Bursar appointed by the Minister and Kirk Session of Carmichael, and a preference given to any applicant in the parish of Carmichael or Pettinain, whom failing one may be chosen from any other parish in the Presbytery of Lanark. Value about £12 per annum.

*Bursar*—John L. Frood, 1892.

LEADBETTER BURSARY (*Arts*).—Founded in 1855 by Mr. John Leadbetter, merchant, Glasgow. It is £9 in value and tenable for four years ; the Bursar attending Greek and Latin the first year ; Logic and Mathematics the second year ; Moral Philosophy and Mathematics the third year ; and Natural Philosophy the fourth year. Preference to boys who have attended the five years' Classical Course of the High School of Glasgow. Patrons—The Lord Provost and Magistrates.

*Bursar*—William C. Mitchell, 1891.

LEIGHTON BURSARIES (*Arts and Theology*).—Robert Leighton, Archbishop of Glasgow, founded in 1681 two Bursaries, at present of the value of £9 per annum each. They are tenable for four years in Philosophy, and two or three years in Divinity. On a vacancy, two students are nominated by the Town Council, and examined by the Senate, who prefer the best scholar.

*Bursars*—John L. C. Tulloch, 1891 ; Thomas Carruthers, 1891.

JOHN LEYDEN BURSARY (*Arts*).—Founded in 1879 by the Glasgow Border Counties Association in memory of John Leyden, poet and scholar. The Fund consists of the sum of £429 3s. 8d. raised by subscription. The Bursary is open to free competition under the same regulations as the competition Bursaries in the University. Tenable for three years. The holder to pass through the Arts course, and at the termination thereof to take the Degree of M.A.

*Bursar*—<sup>1</sup> John Sinclair, 1890.

OLD LIBRARY BURSARY (*Theology, Law, or Medicine*).—Founded by Mr. Hutcheson, of Lambhill, in 1641. Tenable for four years.

<sup>1</sup> Vacant through lapse of time.

Value, £11 2s. 2 $\frac{3}{4}$ d. per annum. The Bursar must be M.A. Preference to a son of a burgess, particularly one of the name Hutcheson or Herbertson. The Patrons are the Magistrates and Town Council of Glasgow.

*Bursar*—Edward J. Primrose, 1891.

JAMES LOCHHEAD BURSARY (*Arts*).—Founded in 1886 in terms of the Trust Disposition and Settlement of Mrs. Robina Mitchell, who bequeathed £500 for that purpose, in memory of her brother, who died in Ohio. A preference is given to students of the name of Lochhead, whose parents are members of the Established Church of Scotland, whom failing to students whose parents are members of the said Church. The Bursary is tenable for three years in the Faculty of Arts.

*Bursar*—<sup>1</sup>Peter D. Strachan, 1890.

LOCHHEAD AND MITCHELL BURSARIES (*Arts*).—Two in number and of equal value, founded in 1886, in terms of the Trust Disposition and Settlement of Mrs. Robina Mitchell, who bequeathed £2,000 (free of legacy duty) for that purpose. A preference is given to students of the name of Mitchell or Lochhead, whose parents are members of the Established Church of Scotland, whom failing to students whose parents are members of the said Church. They are tenable for four years in the Faculty of Arts.

*Bursars*—Ebenezer Mitchell, 1891; James D. Mitchell, 1892.

LOGAN BURSARIES (*One in Theology and One in Medicine*).—Two in number, one in Divinity and one in Medicine, founded in 1863, by Mrs. Logan, widow of Mr. William Logan, tinsmith in Glasgow. The Bursary in the Faculty of Divinity is tenable for three years, and the one in the Faculty of Medicine for four years. A preference, *cæteris paribus*, is given to the names Logan and Johnstone. The value of each is £16 per annum. Appointment by the Senate.

*Bursar in Theology*—<sup>1</sup>Thomas Cook, 1890.

*Bursar in Medicine*—<sup>1</sup>Frederick H. Waddy, 1889.

LORIMER BURSARIES (*Four in Theology, Four in Medicine, and Eight in Arts*).—By Trust Disposition and Settlement, of date 17th October, 1872, the late Mr. John Lorimer, merchant in Glasgow, directed his Trustees to make over to the Principal and Professors of the University of Glasgow, the residue of his estate, amounting to the sum of £8,594 5s. 5 $\frac{1}{2}$ d., the annual proceeds of £5,000 thereof to be applied in payment of Bursaries of an amount not exceeding £50 each, and tenable for three years. One Bursary at least is to be payable to a matriculated student of each of the following subjects:—1, Theology; 2, Medicine; 3, Philosophy; 4, Mathematics; and the proceeds of the remainder of such residue are to be

<sup>1</sup> Vacant through lapse of time.

applied in payment of smaller Bursaries tenable by students of the above-mentioned subjects.

The following regulations have been adopted by the Senate :—

1. The Bursaries shall be sixteen in number—namely, eight of the annual value of £25, and eight of the annual value of £20, and shall be tenable for three years.

2. Four Bursaries—viz., two at £25, and two at £20 shall be held by Students of Theology, and shall be open to competition to students entering the Divinity Hall. The second moiety of the third year's Burse shall not be paid until the Bursar shall have passed the examination for the degree of B.D.

3. Four Bursaries—viz., two at £25, and two at £20, shall be held by Students of Medicine, and shall be open to competition to students who have attended the first session of their professional study in the University of Glasgow, and who have passed in all the seven subjects of the examination in General Education for M.B., or who possess such a degree in Arts as is recognized by the University as exempting from an examination in General Education. The subjects of examination, which shall be prescribed by the Medical Faculty, are Elementary Anatomy, Elementary Chemistry, and Botany. The second moiety of the third year's Burse shall not be paid until the Bursar shall have passed his Final Professional Examination for the degree of M.B.

4. Four Bursaries—viz., two at £25, and two at £20, shall be open for competition to students entering on their third session of attendance, *i.e.*, students who have attended at any of the Scottish Universities during each of the two previous sessions at least two classes in the Faculty of Arts other than the classes of Logic, Moral Philosophy, and English Literature, or who, having passed the Preliminary Examination in Humanity and Greek, have attended for one session the higher classes in those subjects, and who intend to prosecute a full course in the department of Mental Philosophy, including English Literature. Candidates shall be examined in such subjects in English Literature and Logic as may be fixed by the Senate. The Examiners shall be the Professors of English Literature, Logic, and Moral Philosophy. Each Bursar must attend two classes in the Faculty of Arts. Immediately on his appointment, he must enter one or more of the classes of English Literature, Logic, and Moral Philosophy, and in the course of his tenure of his Bursary must attend, besides the above classes, one or more of the higher classes in connection with the classes of Logic and Moral Philosophy. The second moiety of the third year's Burse shall not be paid until the Bursar shall have obtained a Certificate in the Mental Philosophy Department for a Degree in Arts.

5. Four Bursaries—viz., two at £25, and two at £20, shall be open for competition to students entering on their third session of attendance, *i.e.*, students who have attended at any of the Scottish Uni-



versities during each of the two previous sessions at least two classes in the Faculty of Arts other than the classes of Mathematics and Natural Philosophy, or who having passed the Preliminary Examination in Humanity and Greek, have attended for one session the higher classes in those subjects. Candidates shall be examined in such subjects in Mathematics as may be fixed by the Senate. The Examiners shall be the Professors of Mathematics and Natural Philosophy. Each Bursar must attend two classes in the Faculty of Arts. Immediately on his appointment he must enter the class of Mathematics, and prosecute the course of study required for obtaining a certificate in the Mathematical Department for a Degree in Arts. The second moiety of the third year's Bursar shall not be paid until the Bursar shall have obtained this Certificate.

In session 1893-94 eight of the above £20 Bursaries will be open to competition—viz., two in Theology, two in Medicine, two in Philosophy, and two in Mathematics. The Bursaries in Theology will be decided by the results in the general competition for Bursaries in Theology. The competition for the Bursaries in Medicine will be held along with the examinations for the Rainy Bursary. For the Bursaries in Philosophy the subjects of examination will be those prescribed for the John Ferguson Jaffrey Bursary (see p. 209), and the examination will take place along with the November examinations for M.A. in English and Logic. The examination for the Bursaries in Mathematics will take place along with the preliminary examinations in Mathematics for M.A., but may embrace higher papers.

*Bursars in Theology*—<sup>1</sup>Stevenson M'Nab, M.A., 1890; <sup>1</sup>William B. M'Nab, M.A., 1890; Adam Nelson, M.A., 1891; Charles W. Hutcheson, M.A., 1892.

*Bursars in Medicine*—<sup>1</sup>William S. Cook, 1890; <sup>1</sup>John F. R. Gairdner, 1890; <sup>1</sup>John J. Urwin, 1890; Alexander MacLennan, 1891; Joshua Ferguson, M.A., 1892.

*Bursars in Arts*—<sup>1</sup>John M. Connor (Phil.), 1890; <sup>1</sup>Gavin L. Pagan (Phil.), 1890; <sup>2</sup>Walter S. Findlay (Math.), 1890; <sup>1</sup>Edward H. Wallace (Math.), 1890; John M. Forsyth (Phil.), 1891; William C. Henderson (Math.), 1891; Angus King (Phil.), 1892; William A. Lindsay (Math.), 1892.

LUMSDEN BURSARY (*Theology*).—This Bursary was founded in 1850, by Mr. James Lumsden, stationer, Glasgow. Value £15. It is given to a Divinity student of the first year, and may be held for four years. There is a preference to sons of members, or of deceased members of the Stationers' Company of Glasgow. The Patrons, viz., the Principal, the Professors of Divinity, Hebrew, and Church History, and the President of the Stationers' Company

<sup>1</sup> Vacant through lapse of time.

<sup>2</sup> Vacant—Bursar appointed to another Bursary.



—have resolved that when no candidate with a preferential claim applies for the Bursary it shall be awarded in accordance with the results of the competition for Bursaries in Theology.

*Bursar*—David Bayne, M.A., 1890.

LUSK BURSARY (*Arts*).—Founded in 1876, in accordance with holograph settlement executed by Mr. Robert Lusk, merchant in Greenock, who bequeathed the sum of £1,000, reduced by legacy duty to £900, for “a Bursary in connection with the Glasgow University, to be given to the most successful student attending the preparatory course of studies in said University who may intend to follow out the ministry in connection with any of the Presbyterian bodies in Scotland,” “and who may, on public examination or competition, be found to be best qualified and most deserving.” The competition is open to first or second year’s students in Arts. Tenable for three years, but may be continued for an additional year. The next appointment will be made in 1894, and the value will be £30 per annum.

*Bursar*—John Ruggan, 1890.

MACARTHUR BURSARY (*Medicine*).—Founded in 1881 by Miss Jean Macarthur, in memory of her uncle, John Macarthur, Doctor of Medicine in Glasgow. The Bursary consists of the annual proceeds of £500. The administration is vested in a Committee appointed annually by the Faculty of Physicians and Surgeons of Glasgow. The Bursary must be held by a student prosecuting the study of Medicine in the University of Glasgow. Under the rules laid down by the Committee, applicants must have completed two winter sessions of medical study. Preference will be given to applicants who have taken one or more First Class Certificates in the Medical Classes. The Bursary is tenable for two years.

Application to be made prior to 15th April to Mr. Alexander Duncan, Faculty Hall, 242 St. Vincent Street, Glasgow, who will furnish forms of application.

*Bursar*—John M. W. Morison, 1893.

M’CRIE BURSARIES (*Arts*).—These Bursaries were founded by the Rev. James M’Crie, D.D., of Dangart, Senior Minister of the U.P. Congregation of Old Meldrum, in the County of Aberdeen. They are of the annual value of £25, tenable for four years, provided the holder passes a prescribed examination at the commencement of each session and complies with the other conditions mentioned in the Deed of Foundation. The Bursary fund consists of certain lands in the parish of Colmonell and other heritable and movable property mortified for the purpose and vested in the Magistrates and Town Council of Ayr. The candidates must have been born in the parishes of Ballantrae, Colmonell, Barr, Girvan, Ayr, Old Meldrum, Tarves, Daviot or Bourtie, or in the City of Aberdeen, or in the Town of Ayr. The students must also be the sons either of

mechanics, or of cottars, or of farmers, not paying more than £100 of yearly rent, or of ministers not having more than £130 of yearly income, without respect to religious sect or denomination. Candidates of the names of M'Crie, Forsyth, M'Cracken, or Spark, are to have a preference if otherwise deserving. The Bursaries may be held along with other Bursaries. One of the Bursaries on this foundation will be competed for in October next, and the examination will be held in Ayr. Candidates will be examined on the following subjects :—Classics : Latin, Greek. Mathematics : Arithmetic, Algebra, up to and including simple equations, Euclid, Books I. to III. English : Composition, Geography, and History of Scotland. Candidates must send their names and addresses to A. G. Young, Esq., Town Clerk, Ayr, not later than 1st October, 1893.

*Bursars*—David H. Crawford, 1890.

JAMES MELVILLE M'CULLOCH BURSARY (*Arts*).—Founded in 1885 in memory of the late Rev. James Melville M'Culloch, D.D., minister of the West Parish, Greenock. It consists of the free annual income of about £400. It is open to competition to students of the first year in the Faculty of Arts, who shall have been educated for not less than three years at any school or schools in Greenock. Tenable for four years, the Bursar attending the qualifying course for the Degree in Arts. The second moiety of the fourth year's Burse shall not be paid until the Bursar shall have passed all the examinations required for the Degree of Master of Arts. In the event of a vacancy occurring otherwise than by lapse of time, the Senate may appoint a student of the same standing qualified in like manner, or may arrange a new competition.

*Bursar*—<sup>1</sup>Malcolm Dunlop, 1889.

MACDONALD BURSARIES (*Arts, Law, or Medicine*).—Two in number, founded in 1882, in terms of the Trust Disposition and Settlement of Mr. Alexander Macdonald, M.P., who bequeathed to the University £1,000 for the purpose of assisting students in a course of purely secular education. The Bursaries are equal in value and tenable for four years in Arts, Law, or Medicine. Only miners under the age of twenty-one years, who have worked underground in any part of the United Kingdom, are eligible as candidates. The Bursaries are awarded in accordance with the results of an examination in general knowledge, particularly in writing, arithmetic, geography, grammar, and history.

*Bursars*—<sup>1</sup>George L. Wilson, 1889 ; John Macdonald, 1892.

JOHN AND ISABELLA MACDOUGALL BURSARIES (*Arts*).—Founded in 1884, under the Trust Disposition and Deed of Settlement of Miss Isabella Macdougall, Perth. Miss Macdougall directed her Trustees to devote the residue of her means and estate to the foundation and endowment of one or more Bursaries, payable to students born in

<sup>1</sup> Vacant through lapse of time.

the county or city of Perth, attending the classes in the Faculty of Arts, in the Universities of Edinburgh, Glasgow, and St. Andrews. The Bursaries are of the annual value of about £33, and are tenable for a period not exceeding three years. The Trustees are the Patrons. The candidates, who may be of any religious denomination, must undergo an examination by examiners appointed by the trustees. The Bursaries are open to students who are either (1) about to enter on their first session, and who shall pass the Preliminary Examination in Arts, or (2) who have already attended the junior classes for one session. A vacancy occurring otherwise than by lapse of time may be filled up by the appointment, after examination, of a student of equal standing with the retiring Bursar. It is not competent for any person to hold any of these Bursaries along with any other Bursary or appointment yielding to him an annual income of fifty pounds or upwards. The Trustees are the following ministers in Perth, viz.:—The Rev. Wm. G. H. Carmichael, East Church Parish; the Rev. Archd. Fleming, St. Paul's Church Parish; the Rev. Robert Milne, West Church Parish; the Rev. William Main, Middle Church Parish; and their successors in office for the time being, and Mr. Wm. Cochrane Young, solicitor in Perth. Candidates are requested to send in their names and addresses to Mr. Young, 9 St. John Street, Perth, on or before 1st September.

*Bursars*—<sup>1</sup> William Gow, 1890; Thomas Scott, 1891; James M. Templeman, 1891; Hugh M'Gregor, 1892.

MALCOLM M'EWEN BURSARY (*Arts or Science*).—Mr. William M'Ewen, tobacco manufacturer, Glasgow, who died on 16th December, 1878, by his Trust Disposition and Settlement, dated 28th November, 1878, directed his trustees, Mr. James Boyd, writer, Glasgow, and others, to devote a sum of £500 to the foundation of a Bursary in the University of Glasgow, to be called the "Malcolm M'Ewen Bursary," in memory of his brother, Mr. Malcolm M'Ewen, who died on 16th January, 1878. The Bursary was founded in 1884. After consultation with the Senate, the Trustees resolved that the regulations for the Bursary should be as follows:—The Bursary is open to competition at the annual Bursary Examination to all students entering on the first session of attendance at the University, is awarded by the Senate in accordance with the results of that examination, and is tenable for four years. The Bursar on his appointment must elect to follow either the course of study qualifying for the Degree of M.A., or the course of study qualifying for the Degree of B.Sc., and must attend at least two classes each winter session. The Bursary is payable by equal moieties on the second day of February, and at the close of the winter session, but the second moiety of the fourth year's Bursary shall not be paid until the

<sup>1</sup> Vacant through lapse of time.

Bursar shall have passed all the examinations for the Degree appropriate to the course of study chosen by him at the beginning of his tenure of the Bursary. A vacancy occurring otherwise than by lapse of time may, in the discretion of the Trustees, either be filled up at the first term thereafter, or not till the usual term at which the competition for the Bursary would, in ordinary course, have fallen due, and, in the latter event, accumulations from this source are to be added to the capital fund.

*Bursar*—James M. Templeman, 1891.

JAMES MACFARLANE BURSARY (*Theology*).—Miss Helen Macfarlane, who died on 12th March, 1886, by a Codicil dated 15th August, 1882, to her Trust Disposition and Settlement, directed her Trustees to hand over to the Senate the Portrait of her late brother, Dr. John Macfarlane, Professor of the Practice of Medicine in this University, and the sum of £1,000 free of legacy duty for the foundation of a Bursary in the Faculty of Theology, in memory of her brother, the Rev. Dr. James Macfarlane, minister of Duddingston. Preference to the name Macfarlane. The competition is open to Divinity students of the first year, who hold a Degree in Arts of any Scottish University, or who have passed their examinations in any two departments for graduation in Arts. The Bursary is tenable for three years, but in the case of a vacancy occurring otherwise than by lapse of time, the Senate may appoint, with or without examination, a student of the same standing as the previous Bursar.

*Bursar*—Peter Macnab, 1891.

JOHN MACFARLANE BURSARY (*Medicine*).—Founded in 1874 by the brothers and sister of the late Dr. John Macfarlane, Professor of the Practice of Medicine in this University, and to his memory. Patrons—The Medical Faculty. Value, about £40. Tenable for three years. The competition is open to students who have attended the first session of their professional study in the University of Glasgow, and who have passed in all the subjects of the examination in general education for M.B. The Examination will be held at the close of the first session of professional study. The subjects of Examination to be prescribed by the Patrons; and the success of the candidates in the examination in General Education will form an essential element of the decision. Any surplus which may accumulate from vacancies or otherwise, to be applied to establish a "Macfarlane Prize" in the Class of Practice of Medicine. The subjects of examination for this Bursary are Elementary Anatomy, Elementary Chemistry, and Botany.

*Bursar*—<sup>1</sup>James Clark, 1890.

MACGROUTHER BURSARIES (*Arts*).—Two in number, founded in 1872, the one by Mrs. Sophia Susan MacGrouther, widow of Mr. James MacGrouther of Leigham Court Road, Streatham, Surrey,

<sup>1</sup> Vacant through lapse of time.



who mortified in favour of certain trustees the sum of £500; the other by the Misses Mary and Jane MacGrouther, residing in Glasgow, his sisters, who also mortified in favour of the same trustees the sum of £500, for the purposes of the foundation, and in memory of, and in fulfilment of the intentions of, the said James MacGrouther. The Senate are the Patrons. The Bursaries are awarded by open competition among students entering the Faculty of Arts for the first time, and are tenable for four years; subject in each case to the condition that the Bursar shall pass the examinations required of students proceeding to the Degree of M.A.

*Bursars*—James A. Reid, £20, 1891; Allan Martin, £15, 1892 (1891).

**MACKINTOSH MENTAL SCIENCE BURSARY** (*Medicine*).—Founded in 1889 by Dr. Donald Mackintosh, of London, in memory of his brother, Dr. Alexander Mackintosh, for many years superintendent of the Royal Lunatic Asylum, Gartnavel. Value, about £30. Tenable for one year. The competition is open to matriculated students of medicine who have attended the Lectures on Insanity in the University, and will be awarded in accordance with the results of an examination conducted early in July by the Professor of Practice of Medicine and the Lecturer on Insanity acting conjointly. The holder of the Bursary shall, while he continues to hold it, devote special attention to the practical study of Insanity to the satisfaction of the Faculty of Medicine.

*Bursars*—Hugh Kerr, 1892.

**M'KECHNIE BURSARIES** (*Any Faculty*).—Two in number, founded by the Disposition and Trust Settlement of the late Thos. M'Kechnie, merchant in Girvan, who bequeathed for that purpose the sum of £2,000 to the Minister of the Established Church in Girvan, the Magistrates of Girvan, and others, and appointed them patrons of the Bursaries. The Patrons, in nominating and presenting students to the Bursaries, are instructed to prefer, in the first place, such as are of the founder's kindred; secondly, such as are of the name of M'Kechnie; and thirdly, such as were born in the parish of Girvan, provided that such students are properly qualified by their previous education for entering the University of Glasgow. Failing candidates qualified as above, the Bursaries are to be awarded to those who shall be found best qualified and deserving. The Bursaries are tenable for four years. When a vacancy occurs application should be made to Messrs. W. and D. Andrews, solicitors, Girvan, not later than 31st August.

*Bursars*—John M'Kechnie, (Div.), 1891; Robert Nelson, (Med.), 1891.

**MAITLAND CLUB BURSARY.**—In 1888 Dr. W. H. Hill and Mr. J. Wyllie Guild, the surviving members of Council of the Maitland Club, disposed of the remainder of the stock of the Maitland Club



publications, and in pursuance of resolutions passed at meetings of the Council held on 3rd and 17th August, 1870, handed over the proceeds (£140) to the Senate for Bursary purposes. The free income is to be annually bestowed without any competitive examination on such student as the Senate may consider deserving. No appointment will be made until the free annual income amounts to £5.

**MARSHALL BURSARIES** (*One in Theology and One in Medicine*).—Mrs. Barbara Lauder or Marshall, relict of Alexander Marshall, wholesale stationer, Bell Street, Glasgow, by her Will, dated 8th December, 1874, bequeathed to the Senatus of Glasgow University the sum of £1,000, under deduction of legacy duty, to found two Bursaries of equal value, one in Divinity and the other in Medicine. Tenable for four years. Preference to the name of Marshall, but provided “that the Principal and the Professors shall nominate and appoint such students only to the said Bursaries as they shall find, on such examination as they may appoint, to be properly qualified for entering upon the study of Divinity and Medicine at the said University.” Present value, £17 per annum to each Bursar.

*Bursar in Theology*—<sup>1</sup> William Sharp, 1890.

*Bursar in Medicine*—James M‘Queen, M.A., 1892.

**MARSHALL TRUST BURSARIES** (*Arts*).—Under scheme 198, section 29, of the Educational Endowments (Scotland) Commission, approved by Her Majesty in Council, on 17th March, 1888, the Governors of the Marshall Trust are instructed to apply (1) a sum not exceeding £300 per annum in providing University Bursaries. These Bursaries are awarded by competitive examination among pupils who have held free scholarships or school bursaries under the scheme, and pupils who are resident and attending public or State-aided schools in Lanarkshire or Stirlingshire, whose parents or guardians are of the class specified in section 25 of the scheme. The Governors may apply (2) a further sum of £300 per annum in providing similar Bursaries to be awarded solely to pupils who have held free scholarships under the scheme, who shall have competed for but failed to obtain any of the first mentioned Bursaries, but on condition that such free scholars shall pass the examination prescribed by the Governors. Each Bursary is £30 per annum, and is tenable for not more than five years. Forms of application may be obtained from the Secretary of the Trust—Mr. William Mitchell, 134 Wellington Street, Glasgow—and should be lodged with him on or before the 1st day of October in each year. The names of candidates who are found to possess the prescribed qualifications will be sent by him to the Clerk of Senate that they may be entered at the University competition for Bursaries for students of the first year. The Bursaries will be awarded to those candidates highest in order of merit who fail to win a Bursary in the general competition.

<sup>1</sup> Vacant. Bursar's course finished.

Under (1) there are two vacancies, and under (2) there are also two vacancies.

*Bursars*—Jas. S. Cuthill, 1889; Alexander Taylor, 1890; James A. Higgins, 1890; Thomas M. Fletcher, 1891; John Reid, 1891; Adam B. Stewart, 1892; David Preston, 1892; James B. Wilson, 1892; John Reid, 1892.

**MENZIES BURSARIES** (*Arts*).—The late Mr. James Menzies, of Glasgow, by his Will, dated 3rd November, 1837, left a sum of money to establish four Bursaries at either of the Universities of Edinburgh, Glasgow, or St. Andrews, tenable for four years, one to be given each year. The value of each Bursary is £45 per annum, but varies at the discretion of the Patrons. The Patrons are Sir Robert Menzies, Bart. of Menzies, and the Parish ministers of Dull, Weem, and Fortingall. In the first place, the kindred of the Testator; secondly, persons of the name of Menzies; thirdly, those born on the Menzies estates, will be preferred—provided always that they shall be found properly qualified by previous education; and failing these, the Patrons can present such as shall be found best qualified after due examination. The following are the subjects of examination:—*English*, Reading and Writing from Dictation; *Arithmetic*, as far as Decimal Fractions; *Euclid*, first three books; *Latin*, Cæsar de Bello Gallico, first four books, and to translate a piece from English into Latin; *Greek*, Xenophon's Anabasis, first three books. Bursars to attend in some one of the above Universities the classes in their regular order for the M.A. Degree. Candidates are requested to send their names to Mr. Geo. J. Haynes, Camserney Cottage, Aberfeldy, on or before 20th September.

*Bursars*—<sup>1</sup>John Menzies, 1889; Hugh Menzies, 1890; Joseph H. Menzies, 1891; Archibald Menzies, 1892.

**MERCHANTS' HOUSE BURSARIES** (*One in Arts, One in Law, and Two in Medicine*).—Founded in 1879, by the Merchants' House of Glasgow. The Bursaries are of the annual value of £25 each, and are four in number—viz., two in Medicine, one in Arts, including Engineering and Mechanics, and one in Law, tenable by students attending the requisite classes in the above Faculties, with a preference to the sons of matriculated members of the Merchants' House, and such others as the Lord Dean and Directors may deem deserving. 1. The Bursaries in Medicine are tenable for four years. Candidates must be entering on their first winter session of attendance on the ordinary curriculum for Medical Students. 2. The Bursary in Arts, including Engineering and Mechanics, is tenable for four years. Candidates must be entering on their first session of study, and must attend each session two at least of the classes in the Arts curriculum, including, at the option of the candidate, the class of Civil Engineering and Mechanics. 3. The Bursary in Law

<sup>1</sup> Vacant through lapse of time.

is tenable for three years. Candidates must be entering on their first session of attendance on the classes in the Faculty of Law, and must give regular attendance for the three years on classes in that Faculty. The subjects of examinations for the above Bursaries will be those prescribed for the General Bursary Competition, special importance being given in the examination for the Arts Bursary to the subject of Mathematics. Applications to be lodged with W. H. Hill, LL.D., Clerk to the Merchants' House, on or before 1st September, 1893.

*Bursar in Arts*—David G. Webster, 1890.

*Bursar in Law*—<sup>1</sup> R. Bruce Taylor, 1890.

*Bursars in Medicine*—Henry A. Watson, 1891; Walter S. Findlay, 1892.

**METCALFE BURSARIES** (*Arts*).—Founded by the late Miss Sarah Metcalfe, Glasgow, who, by her Deed of Settlement and Codicils, dated respectively 8th August, 30th September, and 7th October, 1853, bequeathed, subject to the liferent of her brother, Mr. William Metcalfe, certain properties in Glasgow, "for encouraging poor students in prosecuting the studies of Mathematics, Practical Astronomy, Chemistry, and Civil Engineering." Mr. Metcalfe died on 25th January, 1869, and by resolution of date 14th April, 1870, the Senate instituted, besides a Metcalfe Fellowship of £100 annual value (for which see Index), at least two Metcalfe Bursaries or Scholarships, each of the annual value of £25, and tenable for two years, subject to the condition that the scholar attend the four classes of Civil Engineering, Senior Mathematics, Practical Astronomy and Chemistry; two at least of these classes to be taken each year. The scholars to be appointed by examination in Pure Mathematics, including the elements of Plane Trigonometry, of Mechanics, and of Theoretical Astronomy, from among matriculated students entering the senior class of Mathematics, or the class of Chemistry.

*Bursars*—James S. Dunlop, 1892; Gardiner H. Mackillop, 1892.

MITCHELL (See Lochhead and Mitchell, p. 213).

**MONTEITH BURSARIES** (*Arts*).—Founded in 1869 by Mr. James Monteith, of 38 Duke Street, St. James's, London. Three in number, each of the annual value of about £14, and tenable for three years. They are open for competition to all matriculated students of the Faculty of Arts, being natives of Scotland, and sons of Scottish parents, and may be held along with another Bursary. The examination to be in French and German in alternate years. Occasionally an extra Bursary will be given to the second-best candidate, of the same value as the others, but tenable only for one year. At the commencement of session 1893-94 a regular three years' Bursary will be competed for, the examination being in French.

*Bursars*—<sup>1</sup> John Gunn (German), 1890; William A. Lindsay (French), 1891; Archibald H. Charteris (German), 1892.

<sup>1</sup> Vacant through lapse of time.

**JOHN MONTEITH BURSARIES** (*Medicine*).—Founded in 1884 by Mrs. Helen Monteith, Greenbank, Dowanhill Gardens, Glasgow, in memory of her husband, the late John Monteith. Mrs. Monteith assigned the sum of £1,000 to Dr. John Gray M'Kendrick, Professor of the Institutes of Medicine, Dr. James Duncan M'Laren, Fellow of the Faculty of Physicians and Surgeons in Glasgow, James Graham, LL.D., writer, Glasgow, and Robert Monteith, her adopted son, as trustees, in the first instance, for the administration of the fund. The annual income after payment of the expenses of administration is to be awarded as two Bursaries to students who have attended the first and second sessions of their professional studies in the University of Glasgow with a view to Graduation in Medicine in that University, and who have passed the whole of the Examination in General Education for the Degree of Bachelor of Medicine, or who possess such a Degree in Arts as may be recognized by the University as exempting from such examination. The Bursaries are tenable for two years. One Bursary is awarded annually in the month of November, and is given to the candidate who gains the highest number of marks in the subjects of Anatomy and Physiology at the Professional Examinations in these subjects held during the previous year (*i.e.*, the April and October preceding said month of November). The founder has directed that it be represented to the holders of the Bursaries that they should feel themselves in honour bound after graduation to render professional assistance to the poor as much as may lie in their power.

*Bursars*.—<sup>1</sup>John W. Findlay, 1891; James C. Robertson, M.A., 1892.

**MUIR BURSARIES** (*Four in Arts and One in Theology*).—Founded in 1880, in terms of the Trust Disposition and Settlement and Codicil thereto of the late Mr. Matthew A. Muir, merchant in Glasgow, who bequeathed to the Senatus Academicus of Glasgow University, free of legacy duty, the sum of £1,000 for providing a Bursary in connection with the Chair of Divinity, to be awarded to a student of Divinity during the last three years of his curriculum; a sum of £1,000 for providing two Bursaries of equal amount in connection with the Chair of Mathematics, to be awarded to advanced students in Mathematics, the period of tenure to be fixed by the Senate; and a further sum of £1,000 for providing two Bursaries of equal amount in connection with the Chair of Civil Engineering and Mechanics, to be awarded to advanced students of Engineering and Mechanics, the period of tenure to be fixed by the Senate. Any of the Muir Bursaries in Mathematics and Civil Engineering may be held along with another Bursary.

The following rules and regulations have, in accordance with the provisions of the Deed, been sanctioned by Mr. Muir's trustees, and are to be observed in all time coming :—

<sup>1</sup> Vacant through lapse of time.



1. *Muir Bursary in Divinity*.—Candidates must be entering on their first session in Theology in the University, and the appointment to the Bursary shall be determined by the result of the annual competitive examination for Bursaries in Theology. The competition shall be open to candidates holding a Degree in Arts in any Scottish University, or who have passed their examinations in any two departments for graduation in Arts. The Bursary shall be tenable for three years, but the second moiety of the third year's Bursary shall not be paid until the Bursar shall have passed the examinations for the Degree of Bachelor of Divinity.

2. *Muir Bursaries in Mathematics*.—Two in number, of which the Junior Bursary shall be tenable for two years, and the Senior Bursary for one year, the former being of half the annual value of the latter. The appointment shall be determined by the proficiency shown by the candidates in the earlier part of their Mathematical course, and the successful candidates shall prosecute the study of the Higher Mathematics during their tenure of the Bursaries. No candidate shall be allowed to hold both Bursaries at the same time. Should the Junior Bursary be resigned by the Bursar at the end of his first year of tenure, the Senate may make an appointment for the remainder of the period.

3. *Muir Bursaries in Civil Engineering and Mechanics*.—Two in number, and of equal value. The appointments shall be determined by the proficiency shown by the candidates in the earlier part of their Engineering course. The period of tenure for each Bursary shall be the session of attendance on the Senior Class of Civil Engineering and Mechanics (Class IV.). Should a vacancy occur by reason of non-attendance of a selected candidate, the Senate may make an appointment for the remainder of the period. No candidate shall be allowed to hold both Bursaries.

4. The Senate reserve the right to withhold the Bursary in any case in which a satisfactory standard has not been attained by any of the competitors.

5. Arrangements for carrying out these rules and regulations shall from time to time be made by the Senate, and notice thereof shall be published in the University Calendar.

*Arrangements for Session 1893-94*.—*Muir Bursaries in Mathematics*.—The appointment to the Junior Bursary, tenable during sessions 1894-95, 1895-96, shall be determined by the results of the written examinations passed in the course of the session 1893-94 by the public students of the Second Class of Mathematics. The successful candidate shall, during session 1894-95, attend the Intermediate Honours Class, and during session 1895-96 the Advanced Honours Class of Mathematics. The appointment to the Senior Bursary, tenable during session 1894-95, shall be determined by the results of the written examinations passed in the course of the session 1893-94 by the public students of the Intermediate Honours



Class. The successful candidate shall, during session 1894-95, attend the Advanced Honours Mathematical Class.

*Muir Bursaries in Civil Engineering and Mechanics.*—Candidates for the Bursaries tenable during session 1894-95 must be (a) students attending during session 1893-94 Engineering Class III., who are also attending or have in a previous session attended the Middle or the Senior Class of Engineering Drawing and Calculations, or (b) students attending during session 1893-94 the Middle or the Senior Class of Engineering Drawing and Calculations, who have in a previous session attended the Engineering Class II. or Class III. The appointment shall be made by consideration of merit shown during attendance on, and by examination in the subjects of those classes, together with the following subjects in preparation for the Senior Class of Civil Engineering and Mechanics (Class IV.), viz.:—The elements of Plane Trigonometry; the elements of Coordinate Geometry; Differential and Integral Calculus in cases of powers of a variable when the index of the power is a whole numeric, and in cases of trigonometrical functions; Principles of curvature; Relation between Neperian logarithms, common logarithms, and logarithms in general; the use of logarithms. The successful candidates shall, during session 1894-95, attend the Senior Class of Civil Engineering and Mechanics (Class IV.).

*Bursars in Mathematics.*—Junior Bursar for session 1893-94, William A. Lindsay, 1892; for sessions 1893-94, and 1894-95, Adam B. Stewart, 1893; Senior Bursar for session 1893-94, James S. Dunlop, 1893.

*Bursars in Civil Engineering and Mechanics for Session 1893-94.* Alexander G. Craig, 1893; Gardiner H. Mackillop, 1893.

*Bursar in Theology.*—David S. Merrow, M.A., 1891.

WILLIAM MUIR DIVINITY BURSARIES (*Theology*).—Established in 1886 by the Governors of the Glasgow General Educational Endowments Board, under Section 35 of their Scheme. The Bursaries are two in number, each of £25 annual value. Candidates must have passed the examination of the Synodical Board for entrance to the Divinity Hall of the University, and must lodge applications with Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, on or before the 26th day of October. The Bursaries are awarded in accordance with the results of the competition for Bursaries in Theology, and are tenable for two years.

*Bursars*—<sup>1</sup>John Morrison, 1891; John Thomson, 1892.

NOTMAN BURSARY (*Theology*).—By deed of Settlement, dated 15th August, 1876, Mrs. Margaret Adam Notman or Napier, of Hillhead, Glasgow, widow of Mr. William Napier, directed her executors to pay over to the Principal and Professors of the Glasgow College,

<sup>1</sup> Vacant through lapse of time.

the sum of £500 sterling for the purpose of founding a Bursary in the College, to be called the Notman Bursary, in memory of her father and brother. The Bursar to be a student of Divinity, who shall appear in public examination to be best qualified and deserving. Present value, £17 per annum.

*Bursar*.—<sup>1</sup> Gavin Warnock, M.A., 1890.

ORR-EWING DUMBARTONSHIRE BURSARIES (*Arts*).—Sir Archibald Orr-Ewing, Bart. of Ballikinrain, M.P., by Bond and Foundation dated 19th September, 1877, bound and obliged himself, his heirs, etc., to pay to the University of Glasgow, and to the Senatus Academicus thereof, as trustees, the sum of £1,600 sterling in seven annual instalments, payable at Martinmas in each of the years following, viz. :—In 1878, £100 ; 1879, £200 ; 1880, £300 ; 1881, £400 ; 1882, £300 ; 1883, £200 ; 1884, £100—to be held and applied for providing four Bursaries of £25 per annum each, tenable for four years, to be competed for in each of the years 1878, 1879, 1880, and 1881. By a letter to the Senate dated 5th February, 1883, he intimated his intention to give yearly four Bursaries of £25 each during his lifetime. The Bursaries are open only to candidates who have attended a Public Parochial, being an ordinary Board School or Schools, not having a Secondary Department, in one or more of the landward Parishes of Dumbartonshire, or of the Parishes of Buchanan, Drymen, Balfron, Killearn, Fintry, Strathblane, Baldernock, and Milngavie, being Parishes in the Presbytery of Dumbarton, for the full period of four years immediately preceding the competitive examination for the said Bursaries, who shall at the date of such examination be under the age of 17 years complete, and who shall express their intention of forthwith entering the University of Glasgow and proceeding with the studies required for obtaining the Degree of Master of Arts from the said University, and shall actually enter the said University accordingly. Each of the said Bursaries shall, as a rule, be tenable for four years, but on condition that each Bursar shall, during or prior to his fourth session of attendance at the said University, have passed two out of the three departmental examinations for the said Degree of Master of Arts, wherein if he fail he shall forfeit all right to the said fourth year's payment of £25. Candidates will be examined in at least three of the following subjects, viz. :—(1) English Language and Literature, (2) Mathematics, (3) Latin, (4) Greek, of which three subjects English Language and Literature must always be one. Should the examiners not consider the candidates to have passed an examination of sufficient value, or should a sufficient number of candidates not come forward, the Senatus shall offer in subsequent years additional Bursaries of £25 each. In the event of a Bursary becoming vacant otherwise than by lapse of time, the Senatus are to apply the funds thereby left at

<sup>1</sup> Vacant through lapse of time.

their disposal for the benefit of Divinity students belonging to Dumbartonshire. (Seven vacancies.)

*Bursars*—<sup>1</sup>John Chalmers, 1889; <sup>1</sup>James R. Drever, 1889; <sup>1</sup>Robert J. Paul, M.A. (Div.), 1891 (1889); George Gardner, 1890; William Morrison, 1890; William W. Loggie, 1891; William W. Lang, 1891; Andrew M. Kelly, 1892; David Longwill, 1892; Alexander Wilson, 1892; James Wilson, 1892; Walter Strang (Div.), 1892 (two years).

**JAMES PATERSON BURSARY (Arts).**—Founded in 1885 in commemoration of the completion, in 1879, of the fiftieth year of the existence of Adelaide Place Baptist Church, Glasgow, and of the Pastorate thereof of Dr. James Paterson during the same period. The sum subscribed for the purpose, amounting with interest to £619, was assigned and conveyed to the Senate in trust to be applied in all time coming to provide a Bursary in the Faculty of Arts to be called the James Paterson Bursary. The Bursary is tenable for four years, and is open to competition to any student of the first year in Arts who is a member of a Baptist Church, and who is entering upon his studies with a view to the ministry in the Baptist denomination. The Bursar during his tenure of the Bursary must be a member of Adelaide Place Baptist Church or of some other Baptist Church in Glasgow or neighbourhood. The Bursar must graduate in Arts, and before payment of the second moiety of the last year's Bursary must produce evidence that he has taken the Degree, or that he has obtained all the certificates necessary for graduation. On the Bursary falling vacant otherwise than by lapse of time, the Senate may appoint for the remainder of the term, or for the full period after competition. Before payment of the second moiety in each year the Bursar must produce a certificate of fitness for the ministry from a Committee of Adelaide Place Baptist Church, from the Baptist Union of Scotland, or some recognized Educational Institution of the Baptist Body.

*Bursar*—John D. Robertson, 1890.

**JAMES ALEXANDER PATERSON BURSARIES** (three in Arts and four in Medicine).—Founded in 1892, under the Trust Disposition and Settlement of James Alexander Paterson (for many years a member of Shamrock Street United Presbyterian Church), who died at Glasgow on 31st January, 1889. The Bursaries in Arts are each of the annual value of £40, and are tenable for three years. They are open to competition to students entering upon the second year of their attendance at the University, who purpose studying for the ministry in connection with the United Presbyterian Church, and who intend to qualify for and take, in the University of Glasgow, the degree of M.A. Each candidate before the competition must lodge with the Clerk of Senate, (1) a written declaration of his

<sup>1</sup> Vacant through lapse of time.

intention to comply with and observe these conditions, and (2) a certificate from the Chairman or Clerk of the Theological Committee of the United Presbyterian Church, bearing that the Candidate is recognized by that Church as an accepted student pursuing his studies with a view to the ministry therein. In 1893-94 two Bursaries of £40 and £30 respectively will be offered for competition. The examination is in Hebrew (Genesis, chap. xxiii., xxiv.) and Greek (Euripides, *Alcestis*, and Gospel according to Luke). The Bursaries in Medicine are each of the annual value of £30, and are tenable for four years. They are open to competition to students entering upon the second year of their medical curriculum at the University of Glasgow, who intend to qualify for and take, in the University of Glasgow, the degree of M.B. Each candidate must before the competition deliver to the Clerk of Senate a written declaration of such intention. The subjects of examination are Mathematics and Natural Philosophy. One Bursary will be offered to competition in November, 1893.

*Bursars in Medicine*—Samuel D. Cowan, 1892; John M. Manford, 1892.

PATRICK BURSARIES (*Arts*).—Two in number, founded in 1860 by Mr. William Patrick, of Roughwood, W.S., the one consisting of the free annual proceeds of a sum of £2,000 of consolidated stock of the Glasgow and South-Western Railway, the other of the free annual proceeds of £1,000 of the same stock. They are tenable for two years, but may be continued for other two. Candidates must have gone through a course of education at some one of the Public Schools in the County of Renfrew, where a regular course of Classical Study is pursued, and must be in circumstances to render it desirable that they should have assistance in prosecuting their studies at the University. The Rector or Head Teacher of such Public School to grant a certificate to any number, not exceeding four of his best scholars, who shall be entitled to present themselves to the Principal and Professors as candidates for the Bursaries. Certificate forms may be obtained from the Assistant Clerk (Matriculation Office).

The examination is in Latin, Greek, Elementary Mathematics, and English.

*Bursars*—<sup>1</sup>William G. Bell (£80), 1891; John L. Morison (£40), 1892.

GLASGOW PERTHSHIRE SOCIETY'S BURSARY (*Arts*).—Founded by the Glasgow Perthshire Society in 1873. Value, £25, and tenable for three years. Open to competition to natives and sons of natives of the county of Perth, and also to sons of persons who are *bona fide* residents in that county, and have resided in it for not less than three years at the time of the competition. Candidates must be entering on their first year of attendance as students in the Univer-

<sup>1</sup> Vacant through lapse of time.



sity of Glasgow, and the holder of the Bursary will be required to complete attendance on at least two of the classes in the curriculum of Arts in each session. Names of candidates to be sent to Mr. George Gray, writer, County Buildings, Glasgow, Secretary of the Society, not later than the first October preceding the competition.

*Bursar*—James Smith, 1891.

**POLLOCK BURSARIES (*Arts*).**—Founded in 1878, in terms of the Trust Disposition and Settlement of the Rev. Alex. Pollock, senior minister of the Free South Church, Paisley, who bequeathed £3,000, free of legacy duty, for that purpose. The Bursaries are designed to assist young men entering the University of Glasgow, whose circumstances are such as to render it desirable that they should have assistance in prosecuting their studies. The patrons are the Principal and Professors in the Faculty of Arts. Each candidate must lodge along with his application a letter from the Rector, Headmaster, or Classical Teacher of one of the Public Schools or Public Academies within the parliamentary boundaries of the burgh of Paisley, where a regular course of Classical study is pursued, certifying that he has completed his course of education at such school or academy. Certificate forms may be obtained from the Assistant Clerk (Matriculation Office). Should no such qualified candidates present themselves, or should the otherwise qualified candidates fail to reach a satisfactory standard in the Bursary Examination, the Bursary or Bursaries vacant for the time being shall be open to all the candidates in the ordinary Bursary Competition. The Bursaries are three in number, and are tenable for three years, during which period the Bursars must be students in the Faculty of Arts. The second moiety of the third year's Bursary shall not be paid until the Bursar shall have obtained at least two of the Departmental Certificates for the Degree of Master of Arts.

*Bursars*—<sup>1</sup>William Cumming, 1890; James Hair, 1891; Adam Hamilton, 1892.

**RAINY BURSARIES (*Medicine*).**—In 1872, Dr. Harry Rainy, Emeritus Professor of Medical Jurisprudence in this University, made over to the Senate the sum of £1,000 for the institution of two Bursaries in the Medical Faculty, and a further sum of £500 to be invested as a supplementary or augmentation fund. The interest of the Bursary Fund is to be divided annually between the two Bursars; and the interest of the supplementary fund is to be employed towards defraying the expenses of administration, and bringing up, when necessary, the annual salaries of the Bursars to £20 each, and increasing the supplementary fund. Should this fund accumulate to £1,000, one half of it is then to be added to the Bursary fund, the interest of which shall be divided as before between the two Bursars. If by this process of augmentation,

<sup>1</sup> Vacant through lapse of time.



which is to be repeated as often as the supplementary fund amounts to £1,000, the Bursary fund shall at length yield £60 per annum to each Bursar, the Senate may continue the same process, or constitute additional Bursaries on the principle explained above, the original Bursaries remaining of the value to which they have been raised by augmentation. The augmentation fund is not at any time to be reduced below £500.

One Bursar shall be elected annually after competitive examination on the subjects of Anatomy, Chemistry, Botany, Physiology, and Zoology. The competition is to be open to all students who have completed two years of the regular Medical curriculum at the University of Glasgow, and who are about to commence their third winter session ; and the examination is to take place in the month of October.

The successful candidate may hold his Bursary for two years, namely during his third and fourth years of study in the University of Glasgow. A vacancy occasioned by death, irregular attendance, or misconduct, is not to be filled up till the usual term at which the competition for that Bursary would have fallen due, and accumulations from this source are to be added to the supplementary fund.

In 1893 the competition for one of these Bursaries will be held on 9th and 10th October. Candidates are required to give in their names (with Certificates) to the Assistant Clerk (Matriculation Office), on or before the 2nd October.

*Bursars*—<sup>1</sup> Clarence B. Harrison, 1891.

RAMSAY WALKER BURSARIES (*Arts*).—Two in number, founded in 1879, under the Trust Disposition and Settlement of Miss Ramsay Walker, Crosshill, who bequeathed £700, reduced by legacy duty to £630, for educating two students with a view to the ministry of the Established Church of Scotland. Preference to kindred of the founder, whom failing, to students of the name of Walker, whom failing, to natives of Glasgow, whom failing, the Bursaries will be thrown open to public competition. Candidates must be qualified by their previous education for entering the University. Tenable for four years. (Both vacant.)

ROSS BURSARY (*Arts*).—This Bursary was founded in 1659 by Captain Wm. Ross, of Rosseyle. It is tenable for four years, and the appointment is vested in the Earl of Glasgow. Value, £4 3s. 4d. per annum.

*Bursar*—George S. M'Kinnon, 1890.

JOHN ROSS, JUNIOR, BURSARY (*Theology*).—Founded in 1880 by Mrs. Ross, widow of Mr. John Ross, junior, merchant in Glasgow, in memory of her husband. Patrons—The Senate of the University. The Bursary Fund consists of the capital sum of £1,000, set aside

<sup>1</sup> Vacant through lapse of time.

by Mrs. Ross for that purpose. The Bursary is tenable for three years by a student of Divinity in the regular course of study for the degree of Bachelor of Divinity with a view of becoming a clergyman of the Established Church of Scotland. Candidates must be entering on the first session of their study in Theology in the University, and the award shall be determined by the result of the annual competitive examination for Bursaries in Theology. In cases of equality in the competition there is a preference to the student who may be thought to stand most in need of help to carry on his theological studies, or to one who is a native of Ayrshire. The second moiety of the third year's Burse shall not be paid to any Bursar unless and until he shall have passed all the examinations required for the degree of B.D. In the case of a vacancy occurring otherwise than by lapse of time, the Senate may appoint, with or without examination, a student of the same standing as the previous Bursar.

*Bursar*—<sup>1</sup> William S. Brownlee, M.A., 1890.

SANDERS BURSARY.—(See Boyd and Sanders Bursary, p. 193.)

SCOTT BURSARIES (*Arts*).—The centenary of the birth of Sir Walter Scott was celebrated in Glasgow in 1871, and in conformity with a suggestion made by Lord Stanley (Earl of Derby), then Lord Rector of the University, the committee who had charge of the arrangements resolved to raise by public subscription a fund for the benefit of distinguished students, and to associate it with Scott's name. The amount subscribed was £3500, and accordingly two Bursaries, along with the Scott Scholarship, were founded in 1874. The fund is administered by trustees, two of whom are elected by the Senatus, two by the Merchants' House, one by the Faculty of Physicians and Surgeons, one by the Faculty of Procurators, and one being the Council's Assessor in the University Court, *ex-officio*. The Bursaries are now three in number, each of the annual value of £25, and tenable for four years. They are open to free competition, under the same regulations as the competition Bursaries in the University.

*Bursars*—Alfred J. Fleming, 1890; Archibald C. M'Gilchrist, 1891; Percy Hepburn, 1892.

SHEARER BURSARIES (*Any Faculty*).—Founded in the year 1887, by Archibald Shearer of Boag, who resided in Beith. By Deed of Mortification executed by Mr. Shearer, dated 29th April, 1887, he conveyed his lands of Boag, in the parish of Kilbirnie, to trustees for the foundation and endowment of three Bursaries for the advancement of the higher education of the young men of his native parish of Dalry in the county of Ayr. The Deed provides that the Bursaries shall be open to applicants between the ages of fourteen and twenty-four, who are the sons of parents or of a surviving parent *bona fide* resident for a period of not less than

<sup>1</sup> Vacant through lapse of time.

two years, immediately preceding the date of application in the parish of Dalry, or to applicants who, for a period of not less than the last two years of their school curriculum, have received their education in the schools within the said parish, to enable the Bursars to pursue their education as students at the University, in one or other of the Faculties. Students who have enjoyed a Bursary during their Arts course are eligible for a second Bursary in another Faculty. Applicants to undergo such examination as the trustees may from time to time appoint. Each Bursary to be one-third of free income from the lands of Boag, but not exceeding the annual sum of thirty pounds, and to be tenable for three years. Further information will be afforded by the Agents of the Trustees, Messrs. J. & J. McCosh, writers, Dalry.

SMITH BURSARIES (*Any Faculty*).—Two in number, founded in 1849 by Dr. John Smith, of Cruthersland; not restricted to any particular description of students. Patrons—The Directors of the Incorporated Company of Stationers. Sons of members of the Company preferred; then sons of persons connected with any of the trades included in their charter, whom failing, such other students as may be approved of by the patrons. Value, £9 per annum each. Tenable for one or more years at the option of the patrons. Applications to be made to Mr. R. Brodie, 77 St. Vincent Street, Glasgow.

*Bursar*—C. M. Burnside, 1888; James F. Pollock, 1892.

STEVENSON OF DALRY BURSARIES (*Arts*).—The Rev. Robert Stevenson, D.D., minister of the Parish of Dalry, Ayrshire, who died on 11th September, 1890, by his Trust Disposition and Settlement, dated 28th July, 1890, directed his Trustees to pay over to the University Court the sum of £2,000, free of legacy duty, for the foundation of two Bursaries in Arts. They are open for competition to students entering on the first or second session of attendance in the Faculty of Arts, who are prosecuting their studies with a view to the ministry of the Church of Scotland, with a preference in the first place to natives of the parish of Dalry in Ayrshire, and in the second place to natives of the parishes of Bannockburn or St. Ninians in Stirlingshire. The Bursaries, which are of equal value, are tenable for four years.

*Bursars*—David Morrison, 1891; William J. S. Miller, 1892.

STEWART BURSARIES (*Arts*).—These Bursaries, three in number, founded in 1809 by the Rev. James Stewart, are in the gift of the Senate. They commence with the Humanity or the Greek Class, and may be held during the Gown Course. Value, £15 per annum each. The names Stewart and Simpson are preferred. In case of a vacancy, a student of the same standing is appointed.

*Bursars*—<sup>1</sup>Robert Simpson, 1891 (1890); John Stewart, 1891; John Stewart, 1892.

<sup>1</sup> Vacant through lapse of time.

GLASGOW STIRLINGSHIRE AND SONS OF THE ROCK SOCIETY'S BURSARY (*Arts*).—Founded in 1876 by the Glasgow Stirlingshire and Sons of the Rock Society. Value, £25 per annum, and tenable for four years. The Bursary is open to competition to "all students who have been born and educated in the county of Stirling." Candidates must be entering on their first session of attendance in the Arts Classes. Secretary of the Society, Mr. Arthur Forbes, writer, 146 Buchanan Street, Glasgow.

*Bursar*—James Watchman, 1890.

STRUTHERS BURSARY (*Theology*).—In 1624, the Rev. William Struthers founded two Bursaries for students in Divinity. Value, £6 13s. 4d. per annum each. By ordinance of the Universities Commissioners, of date 17th May, 1862, these Bursaries were conjoined into one, tenable for three years; the holder to be M.A. and a student of Divinity. All other restrictions were abolished. The right of nomination belongs to the Magistrates and Town Council of Glasgow.

*Bursar*—Bryce M'Farlane, M.A., 1891.

TAYLOR BURSARIES (*Any Faculty*).—Two in number, founded by Mr. James Taylor, writer in Glasgow, who by Trust Disposition and Settlement, of date 30th June, 1857, bequeathed to the University the sum of £800 for Bursaries. After Mr. Taylor's death, the trustees found that the estate was not sufficient to pay the various legacies in full. They paid over to the University in January, 1868, the sum of £560, and in September, 1878, a further and final dividend of £80, making in all £640, the free proceeds of which are applied to the payment of the two Bursars. The Senate are Patrons. Preference to the names Tayler or Taylor, Ronald, Dunlop, Henderson, and M'Arthur.

*Bursars*—Campbell Taylor, 1891; <sup>1</sup>John M'Arthur, 1892 (one year).

JAMES THOMSON PHILOSOPHICAL ENTRANCE BURSARY (*Arts, Phil.*).—Founded by subscription in 1878 in memory of James Thomson, M.A., a distinguished student of this University, who died in 1876, before the close of his theological curriculum. The Bursary consists of the proceeds of a sum of about £300, and is tenable for two years. It is awarded biennially for the best examination in (*a*) Mental Philosophy and (*b*) English Literature alternately, the candidate being at liberty to offer a special subject. The examination is open to all students of the first and second year who have not already attended any Class in the Philosophical Department, and who have not attended a session in any other Scottish University. The Bursary is payable in four instalments, but the last instalment will not be paid till the Bursar has passed the Departmental Examination in Classics for the M.A. Degree in Glasgow University. The subjects

<sup>1</sup> Vacant through lapse of time.



of Examination in Mental Philosophy are the same as for the John Ferguson Jaffrey Bursary in Mental Philosophy.

The next examination will be held in November, 1893, the subject of examination being Mental Philosophy, and the Bursary will be tenable for one year.

**WALKINSHAW YOUNG BURSARY (*Law*).**—Founded in 1878 by Major Young, Dunmore, Kirn, who bequeathed to the University a sum of £500, free of legacy duty, for promoting any useful branch of Education which the Principal and Professors may think proper.

The following regulations have been adopted :—

1. The Bursary shall be tenable for two years, during which the holder shall give regular attendance as a public student in the Faculty of Law in the University, to the satisfaction of the Senate.

2. All persons who within two years previous to the time when an appointment to the Bursary is made, have, at an examination in Arts, for the Degree of B.L. passed in not fewer than two Arts subjects, or have passed a Departmental Examination for the Degree of M.A., shall be eligible as candidates, and the Senate shall appoint that one among the candidates who in their opinion is the most distinguished. A student who passes a qualifying Examination in the November of the session in which an appointment is made, shall be held eligible within this rule, but one who has passed an examination in the November two years preceding such an appointment, and has not passed any subsequent qualifying examination, shall not be eligible.

3. The Bursary shall not be tenable along with any other Bursary or Scholarship in the University.

The next appointment to this Bursary will be made in December, 1894. Applications to be sent in to the Clerk of Senate on or before 1st December of that year.

*Bursar*—Alexander M. Hamilton, 1892.

**WALTON BURSARY (*Medicine*).**—This Bursary was founded in 1763 by Dr. William Walton, Huntingdon, for a student in Medicine. The Earl of Sandwich has the right of appointing to the Bursary one of two Students nominated by the Senate. Preference is given to "Students of the English Nation." The Bursary may be held for four years. Value about £36 per annum.

*Bursar*—Robert E. Newton, 1890.

**ANDREW WEIR BURSARY (*Medicine*).**—Founded in 1884, in terms of a Bequest by Mrs. Janet Maxwell or Weir, relict of Andrew Weir, feuar in Paisley. Mrs. Weir bequeathed the sum of £500 to the University, and directed the annual income of the legacy to be devoted to maintaining a Bursary in connection with the Medical School, in such a manner as the Senate may appoint. The Bursary is in memory of a son of the founder, Andrew Weir, a medical student of Glasgow University, who held subsequently the post of



Resident Physician in the Paisley Infirmary, and in the discharge of his duties there contracted a fever, of which he died. The Bursary is awarded annually at the beginning of the Winter Session in accordance with the results of the second and third professional examinations, account being taken of the marks gained by all students who have passed both of these examinations within a period not exceeding thirteen months, reckoning backward from the date of the professional examinations in October of each year. During the tenure of this Bursary, which may be held along with another Bursary, the holder shall be bound to give regular attendance on the classes of the medical curriculum in the University.

*Bursar*—John J. Urwin, 1892.

**WILLIAMS BURSARIES** (*Arts and Theology*).—The Rev. Dr. Williams, London, in the year 1711, bequeathed to certain individuals in London, in trust, an estate, to found Bursaries for educating natives of South Britain at the University of Glasgow. The founder, with a particular view to support the cause of Protestant dissent in England, directs that every Bursar on this foundation shall promise, in writing, to become a preacher among the dissenting ministers of that country. The Bursaries are tenable for three years, but renewable for another year on application, on the understanding that the student has graduated in Arts, and is about to enter the Divinity Hall. Value, £40 per annum each. The right of presentation is vested in the founder's trustees. Secretary to the Trust—Mr. Francis H. Jones, Dr. Williams' Library, Gordon Square, London, W.C. The state of the funds of this foundation will not admit of more than one appointment being made in session 1893-94.

*Bursar*—Hugh E. Griffith, 1892.

**WILSONE BURSARY** (*Theology*).—Two Bursaries, value £6 13s. 4d. per annum each, were founded by Mr. Michael Wilsons, in 1640. Patrons—The City Magistrates and Council.

By ordinance of the Universities Commissioners, of date 17th May, 1862, confirmed by Her Majesty in Council, these Bursaries were conjoined into one, tenable for three years; the holder to be M.A. in regular attendance as a student of Theology. Restrictions as to kindred, etc., abolished.

*Bursar*—John H. H. M'Neill, 1892.

**MAJOR YOUNG'S FUND BURSARIES** (*Law*).—Two in number, founded in 1890, by the Trustees of the late Major Young, founder of the Walkinshaw Young Bursary. The amount of the Bursary Fund is about £1,312, and each of the Bursars receives one-half of the free annual income thereof. In accordance with Major Young's desire, the Bursaries are open only to applicants whose pecuniary circumstances are such as in the judgment of the Senate render it

desirable that they should have assistance in prosecuting their studies at the University, preference being given, *cæteris paribus*, to natives of Argyllshire or Renfrewshire. One of the Bursaries is tenable for six years, and is awarded by competitive examination to a student of the first year who intends to study for a Degree in Law. The Bursar is required during his tenure of the Bursary to attend such classes, and to pass such examinations for a Degree in Law as shall be held by the Senate to correspond to the successive stages of his course; and he must attend a class or classes in the Faculty of Law during at least the last two years of his tenure of the Bursary. The other Bursary is tenable for two years, and is awarded by competitive examination upon subjects prescribed by the Senate. Candidates must have expressed their intention of attending the classes of Scots Law and Conveyancing, and the Bursar must attend these classes in separate sessions during his tenure of the Bursary. Either of these Bursaries may be held with any other Bursary, Scholarship, or Prize in the University, but both shall not be held together by one Bursar. The subjects of examination are those prescribed for the General Bursary competition.

*Bursars*.—Alexander M. MacRobert (six years), 1890; Hamilton P. Paterson, M.A. (two years), 1892.

ARTHUR BURSARY OR SCHOLARSHIP (*Medicine*).—Founded in 1892 by Mrs. Arthur of Barshaw. This Bursary is of the annual value of £25. It is open to women who, intending to enter the medical profession, are first year's students in the Medical School at Queen Margaret College. It is to be awarded by the Trustees to the student who shall have most distinguished herself in all or a majority of the classes of the Medical School which form the first year's course of study therein, or who shall take the highest place among the Queen Margaret College candidates at the First Professional Examination held in the University before the commencement of the winter session in which an appointment falls to be made. If two students are of equal merit, the Bursary will be divided between them, and if more than two are equal, a special examination may be held to determine who shall be the recipient. The Bursary is tenable for three years, subject to the condition that the Bursar prosecute her medical studies with the approval of the Trustees.

*Bursar or Scholar*.—Agnes Jane Anderson.

## 2. EXHIBITIONS, FELLOWSHIPS, AND SCHOLARSHIPS.

ALPHABETICALLY ARRANGED.

FOUNDATION.	No. of Scholarships, &c.	TENABLE BY	Approximate Annual Value of each.
Black Theological, -	1	Masters of Arts of Scot. Univ.,	£147
Breadalbane, - - -	2	Do. Glas. Univ.,	£50
Clark, George A., - -	4	Do. do.	£180
Clark, John (Mile-end),	8	Arts Students at close of Curric.,	£50
Clydebank, - - - -	1	Students of Naval Architecture,	£10
Cunninghame, - - -	2	Bachelors of Laws of Glas. Univ.,	£32
Alexander Donaldson,	1	Candidates for B.Sc. (Chemistry),	£38
Robert Donaldson, - -	2	Bachelors of Science of Gl. Univ.,	£62
Eglinton, - - - - -	2	Masters of Arts of do.	£100
Euing, William, - - -	3	Do. do.	£80
Science Exhibition 1851	2	Science Students, - - -	£150
Ferguson, - - - - -	6	Masters of Arts of Scot. Univ.,	£80
Foulis Memorial, - - -	1	Medical Graduates or Licentiates,	£50
Lloyd's Register, - - -	1	Students of Naval Architecture,	£50
Luke, - - - - -	1	Masters of Arts of Glas. Univ.,	£80
Mackay Smith, - - - -	2	Students in Nat. Phil. and Chem.,	£48
Metcalfe, - - - - -	1	Masters of Arts of Glas. Univ.,	£100
Sandford, - - - - -	1	Greek Students, do.	£20
Scott, - - - - -	1	Masters of Arts of do.	£80
Shaw Philosophical, - -	1	Do. Scot. Univ.,	£160
Snell (at Oxford), - - -	5	Masters of Arts, etc., Glas. Univ.	£80
Thomson Experimental	3	Students of Natural Philosophy,	£20

*N.B.*—In cases in which a Scholarship or Fellowship falls vacant otherwise than by lapse of time, the Senate may, except where it is inconsistent with the deed of foundation, hold a competition, and make an appointment for the remainder of the period for which such Fellowship or Scholarship may be held. At the next ordinary competition no student shall be excluded from the competition by reason of his having previously been appointed to fill a vacancy for less than the full period; but in no case shall any student hold such Scholarship or Fellowship for longer than the full period fixed in the regulations applicable to such foundation.

**BLACK THEOLOGICAL FELLOWSHIP.**—This fellowship, of the annual value of £140 or thereby, was instituted under the Will of the late Mrs. Janet Black (who died in 1876) in memory of her husband, the Rev. William Black, D.D., minister of the Barony Parish of Glasgow. Candidates must be members of the Established Church of Scotland.

The following regulations have been adopted by the Senate with the sanction of the University Court to take effect in session 1895-96 and thereafter:—

1. The Black Theological Fellowship shall be tenable for one year.

2. It shall be awarded by competition open to Masters of Arts from any of the Universities of Scotland completing the ordinary curriculum of Theological study in the University of Glasgow in the academical year in which the examination is held.

3. The subjects of examination shall be the same as those prescribed for the Degree of B.D., and the examinations shall be held at the same times as the examinations for the Degree of B.D.

4. The Fellowship shall be awarded by the Theological Faculty at the close of the winter session to the most distinguished graduate in Divinity of the session qualified in terms of the foundation, but the Fellowship shall be awarded only if the Candidate has, in the opinion of the Faculty, attained a sufficient standard of merit.

5. The holder of the Fellowship shall, during the tenure of it, perform such duties—whether in the form of giving a short course of lectures, or of undertaking tutorial work, or otherwise—within the University, as may be assigned to him by the Faculty of Theology with the sanction of the Senate.

6. The Fellowship shall not be held in conjunction with any other Theological Fellowship or Scholarship or Prize falling to be awarded at the same time, or subsequently during its tenure.

The ninth competition, under the regulations printed in the University Calendar for 1892-93, shall take place in November, 1893. The examination will be on the subjects prescribed for the first department of the examination for the degree of B.D., and on additional subjects, including Aramaic.

*Present Fellow*—Ewen A. Rankin, B.D., April, 1891.

BREADALBANE SCHOLARSHIPS.—The second Marquis of Breadalbane, an alumnus, and afterwards Rector of the University, gave from the first year of his Rectorship (1840-41), and during his lifetime, the sum of £100 annually, which was for some years distributed in prizes among certain classes, and afterwards appropriated to the establishment of two Scholarships, the one in Mathematical and Physical Science, and the other in Mechanical Philosophy, Chemistry, and those branches of Natural History that are connected with the Arts and Manufactures.

The Marquis died in 1862, and his Deed of Settlement made provision for the “annual payment, in all time coming, to the University of Glasgow, of the sum of £100, to be paid yearly to deserving students in this college, as Scholarships or Bursaries, to be called the ‘Breadalbane Scholarships,’ in such manner as shall be fixed by the Senatus Academicus of the said University.”

The following regulations have been approved by the Senate:—

The number of Scholarships shall be two, of £50 each per annum, for the encouragement of pure and applied Science.

The scholars shall be chosen, after competitive examination in Mathematics and Natural Philosophy, from among candidates who

shall have taken the Degree of Master of Arts, or the Degree of Bachelor of Science in the Department of Engineering Science, at the University of Glasgow, within a period of not more than three years preceding the examination; provided always that students graduating at the supplementary graduation in November of any year, shall, for all purposes, be held to have graduated at the ordinary graduation in May immediately preceding.

Each scholar shall pursue such course of scientific study during the tenure of his Scholarship as the Senate shall in each case prescribe, and shall hold his Scholarship for three years, provided that at the end of the 1st and 2nd years he give the Senate such evidence, by examination or otherwise, as the Senate shall deem sufficient, of having successfully prosecuted the prescribed course of study.

One of these Scholarships will be competed for in October, 1893. Names of candidates to be given in to the Assistant Clerk (Matriculation Office), on 2nd October, 1893.

*Scholars*—<sup>1</sup>Peter Pinkerton, M.A., 1890; John D. Cormack, B.Sc., 1892.

GEORGE A. CLARK BURSARIES OR SCHOLARSHIPS.—By the Will of the late Mr. George A. Clark, manufacturer, Paisley, a sum of £20,000 was bequeathed in 1872 to this University for the creation of four Bursaries, tenable each for four years. The following are the regulations:—

1. One of these Bursaries shall be competed for annually, at or immediately after the October examination for Degrees in Arts or Science.

2. The four Bursaries are assigned respectively to the four departments of Honours, enumerated in the ordinances, Nos. 14 and 18, of the Universities Commissioners (1858), viz.:—

(1) Classical Literature.

(2) Mental Philosophy, including Logic, Metaphysics, and Moral Philosophy.

(3) Mathematics, including Pure Mathematics, and Natural Philosophy.

(4) Natural Science, including Botany, Geology, Zoology, and Chemistry.

For the Classical Literature Bursary or Scholarship either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours, in Classical Literature, may be candidates; for the Mental Philosophy Bursary or Scholarship, either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours, in Mental Philosophy, may be candidates; for the Bur-

<sup>1</sup> Vacant through lapse of time.



sary or Scholarship in Mathematics either Masters of Arts of this University who have taken the Degree of M.A. with Honours, or students presenting themselves for the final examination for the M.A. Degree with Honours, in Mathematics, or Bachelors of Science of this University who have taken the degree of B.Sc. in Pure Science, or students presenting themselves for the final examination for the B.Sc. Degree in Pure Science, may be candidates ; and for the Natural Science Bursary or Scholarship either Bachelors of Science of this University who have taken the Degree of B.Sc. in Pure Science, or students presenting themselves for the final examination for the B.Sc. Degree in Pure Science, may be candidates.

But no student shall be eligible for the examination after the expiration of more than three winter sessions from the time of his completing the course necessary for the M.A. Degree or the B.Sc. Degree.

3. The successful candidate shall undertake, during his tenure of the Bursary, to give such assistance in the teaching work of the University, and to follow such a course of study in the University, as the Senate may determine.

4. The subjects of examination each year shall be those which constitute the examination for Honours in one of the above-named departments (the department selected each year for examination to be publicly announced). The Senate reserve the right to withhold the Scholarship, should none of the competitors reach the standard of attainment required of graduates in Arts with highest honours.

5. In the event of the examiners reporting in any year that no candidate has done sufficiently well in the subjects of that year to deserve the Scholarship, no appointment shall be made in that year ; but it shall be in the power of the Senate to hold an examination for the same Scholarship, and in the same subjects, in the following year, provided that in that case the Scholarship shall be held for three years only and not for four, the surplus revenue being added to the capital of the fund. Should the same thing occur again, it shall be in the power of the Senate to appoint a Scholar for two years only, or for one year only, the examination in each case being in the same subjects as when the Scholarship was first competed for. In the same manner, in the event of a vacancy occurring in the tenure of any of the Scholarships otherwise than by lapse of time, the Senate may make an appointment for the remainder of the term for which the Scholarship might have been held by the student vacating it, and after examination in the same subjects as those for proficiency in which the Scholar was originally appointed ; but in no case shall the regular rotation of subjects as above provided for be disturbed. In the competition for scholarships to be held for less than four years, no student shall be admitted to examination who would not be eligible, as above arranged, for a Scholarship to be held for four years. In the event of a candidate being appointed

to a vacancy to be filled for less than four years, and being still eligible, under the usual regulations as above, to compete for the said Scholarship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Scholarship, but in no case shall any student be permitted to hold the Scholarship for more than four years in all.

6. It shall not be competent for the holders of these Bursaries to hold any other Bursary or Scholarship in this University.

7. It shall be in the power of the Senate to deprive any Bursar of his Bursary, in the event of his not complying, to their satisfaction, with any of the above regulations.

8. The Examiners shall be the same as the Examiners for the Degree of M.A. with Honours in each of the several departments, and for the Degree of B.Sc.

Two of these Bursaries or Scholarships will be competed for, subject to the foregoing regulations, in October, 1893. One will be tenable for three years, and the examination will be in the fourth of the four departments above enumerated—viz., Natural Science. The other will be tenable for four years, and the examination will be in Classics. Candidates are requested to give in their names to the Assistant Clerk (Matriculation Office), not later than 2nd October.

*Bursars*—<sup>1</sup>David Smith, M.A., 1889 (Classics); Robert Bulloch Douglas, M.A., 1892 (two years) (Mental Philosophy); James Holm, M.A., 1891 (Mathematics); <sup>1</sup>James Rankin, B.Sc., 1892 (one year) (Natural Science).

**JOHN CLARK (MILE-END) SCHOLARSHIPS.**—By the Deed of Constitution regulating the John Clark Bursaries (see page 196), the Founder, Mr. John Clark, also instituted Scholarships of £50 annual value, open for competition to all Protestant students of good moral character, sons of Protestant parents, and who have completed their curriculum in Arts in Glasgow University. The Scholarships are to be awarded to the candidates who stand highest at written examinations in the branches of learning appointed by the trustees, and are tenable for four years, subject to the condition that the Scholars give their undivided time and attention to the prosecution of their studies with a view to any of the learned professions, or, on approval of the trustees, any other profession or business they may prefer. The trustees do not appoint any one who already holds a scholarship of greater value. Three Scholarships will be competed for in October, 1893, one in the department of Classics, one in the department of Mental Philosophy, and one in the department of Mathematics. The examination will be on the subjects prescribed for the Degree of M.A. with Honours in the respective departments.

Names of candidates to be given in to the Assistant Clerk

<sup>1</sup> Vacant through lapse of time.

(Matriculation Office), on or before the 2nd October, and also to Mr. Wm. Kidston, 50 West Regent Street, Glasgow.

*Scholars*—<sup>1</sup>James Hunter, M.A., B.Sc., 1889; James Moffat, 1890; Campbell C. Edgar, 1891; Robert Baillie Douglas, 1891; John G. Spens, M.A., 1892; Robert S. Horne, 1892; Gilbert Buchanan, M.A., 1892.

**CLYDEBANK SCHOLARSHIP.**—Founded in 1885 by Messrs. James & George Thomson, engineers and shipbuilders, Clydebank. The endowment is in the meantime for six years, but will be made permanent should the experiment be successful. Value, £10 per annum. The Scholarship is to be competed for biennially, at such times as the Senate may appoint, by young men not under 18 years of age, who have been employed at least three years as working apprentices, or in the drawing offices of shipbuilding or engineering works situated in the districts of Clydebank, Yoker, or Dalmuir. The subjects of examination include Plane and Descriptive Geometry, Algebra, Plane Trigonometry, Elementary Dynamics and Hydrostatics. The successful candidate must attend during the two years for which it is tenable the course of lectures and of instruction in ship-drawing and calculations given by the Professor of Naval Architecture. When a vacancy occurs candidates are required to send in their names (with certificates) to the Assistant Clerk (Matriculation Office), on or before 1st October.

*Scholar*—Hector A. Mollison, 1892.

**ANDREW CUNNINGHAME SCHOLARSHIPS.**—Mr. Andrew Cunningham, Town Clerk Depute of Glasgow, who died in 1886, bequeathed to the University, free of legacy duty, £5,000, for the purpose of completing the tower, and also £350, the annual revenue of which was to be applied in purchasing a gold medal as a prize in the class of Mathematics. He also bequeathed to the Senate £2,000 for two Bursaries or Scholarships in connection with the Scots Law and Conveyancing Classes. The following regulations were adopted by the Senate on 15th March, 1888:—

1. One-half of the free income of the bequest shall be applied for the purpose of a Scholarship in connection with the class of Scots Law, and the remaining half for the purpose of a Scholarship in connection with the class of Conveyancing.

2. Each Scholarship shall be tenable for two years.

3. On each vacancy the candidate who, in the opinion of the Senate, is the most distinguished Bachelor of Laws of the year, shall be appointed, special consideration being given to eminence in Scots Law and Conveyancing.

4. Students who have been found qualified for the Degree of LL.B. at the spring and winter graduations of the year in which the appointment is made, shall be eligible as candidates.

<sup>1</sup> Vacant through lapse of time.

5. The conditions of holding the Scholarships are that the scholars give such assistance in the work of the classes of Scots Law and Conveyancing respectively as the Professors of these classes may require, subject to the approval of the Senate.

6. In the event of a vacancy occurring during the tenure of any Scholarship, the Senate may, if they think fit, appoint a Scholar to hold the Scholarship for the unexpired period.

An appointment to the Scots Law Scholarship will be made in November, 1893.

*Scholars.*—<sup>1</sup>Thomas H. Lillie, LL.B., 1891; Herbert C. Boyd, LL.B., 1892.

ALEXANDER DONALDSON SCHOLARSHIP OR BURSARY.—Founded in 1881, by Will of the late Mr. Alexander Donaldson, iron merchant in Glasgow, who bequeathed to the Senatus of Glasgow University £1,000, to be administered by them as patrons for the endowment of a Scholarship or Bursary, at their discretion, in connection with the said University.

The following regulations were adopted by the Senate on 1st May, 1884:—

1. The Scholarship shall be awarded to the candidate who, presenting himself for the first examination for the Degree of B.Sc., held in the month of April, shall stand highest in Chemistry.

2. The Scholarship shall be tenable for two years.

3. The second moiety of the second year's stipend shall be paid only after the Scholar has passed all the examinations for the Degree of B.Sc.

These regulations apply to students proceeding to the Degree of B.Sc. under the new regulations for that Degree.

*Scholar*—John Clark, 1892.

ROBERT DONALDSON SCHOLARSHIPS.—Founded in 1887 by the trustees of the late Mr. Robert Donaldson, iron merchant, Glasgow, who left £2,000 to the Senate for two Scholarships for such scientific purposes as his trustees should approve. The following tentative scheme has been approved by the trustees:—

1. The income of the fund shall be devoted for two years alternately to Scholarships in Chemistry and Biology.

2. Each Scholarship shall be tenable for two years.

3. Students who have taken the Degree of B.Sc. in Glasgow University shall be eligible.

4. The appointment shall be made by the Senate on a report as to the merits of the candidate or candidates by the Professor of the subject.

5. The scholar appointed shall devote himself for two years in this University, or for one year in this University and the other in such place as the Senate may approve, to research in the subject in

<sup>1</sup>Vacant through lapse of time.



which he has obtained the Scholarship. The holder of the Scholarship in Biology shall have the option of selecting Zoology or Botany as the subject of research.

6. The Senate are not bound to make an appointment unless the candidate is in their opinion qualified.

An appointment to the Scholarship in Biology will be made in November, 1894. Candidates are required to give in their names to the Assistant Clerk (Matriculation Office), on or before the 1st October of that year.

*Scholar*—David R. Boyd, B.Sc., 1892.

**EGLINTON FELLOWSHIPS.**—On the death of the Earl of Eglinton, formerly Rector of the University of Glasgow, a committee was formed to collect subscriptions for the purpose of commemorating in a suitable manner his virtues and public services; and, subscriptions having been received to the amount of £7,000, it was resolved by the subscribers, in 1862, to set apart £4,500 out of this sum as a Scholarship or Fellowship Fund in the University of Glasgow.

By the Trust Deed of date November 8th, 1865, the net yearly produce of the said sum (after deducting expenses) is to be appropriated to the support of one or more Fellowships, not exceeding three, to be competed for by the alumni of the College of Glasgow, and to be held for a period not exceeding four years, upon the following conditions, viz.: First,—The number of Fellowships, and the period during which the same are to be held, shall from time to time be fixed by the Senatus Academicus of the said University. Secondly,—The competition for the Fellowships shall be open only to deserving students who shall have taken the Degree of Master of Arts in that University at the term preceding the competition,<sup>1</sup> and the Fellowships shall be awarded by the Senatus Academicus of the University to those students who have shown themselves in a public competition to have acquired the greatest amount of knowledge and proficiency in the branches of study embraced in the curriculum of Arts, and such branches of Natural Science as the Senate shall, from time to time, require. And, Thirdly,—The Examination for the Fellowships shall be under the direction of the Senatus Academicus of the University, who shall fix the subjects of examination, and the relative value of each subject in the competition, and appoint any of their own number, or other fit persons, to be Examinators, and make such regulations with relation to the said Fellowships, and the competition and examination therefor, as from time to time they may think fit.

The following are the regulations of the Eglinton Fellowships:—

1. The number of the Eglinton Fellowships shall be two (of about £100 per annum each), tenable for three years, subject to the approval of the Senate at the end of the first and second year.

2. The competition for the Fellowship shall be open only to

<sup>1</sup> i.e., Either at the ordinary Graduation in May or at the Supplementary Graduation in November



deserving students who shall have taken the Degree of Master of Arts in the University of Glasgow, at the term preceding the competition.<sup>1</sup> In the event of a candidate being appointed to a vacancy to be filled for less than three years, and being still eligible, under the usual regulations as above, to compete for the said Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than three years in all.

3. One of the Fellowships shall be open to competition in October, 1866, and thereafter triennially (1893); and the other in October, 1867, and thereafter triennially (1894).

4. The successful candidate shall undertake, during his tenure of the Fellowship, to follow such a course of study in the University, or to give such assistance in the teaching work of the University, as the Senate may determine.

5. The Examination for the Eglinton Fellowship to be competed for in October, 1890, and thereafter sexennially, shall be in Classics; and the Examination for the Eglinton Fellowship to be competed for in 1893 and thereafter sexennially, shall be in Mental Philosophy.

The subjects of examination in Classics and Mental Philosophy respectively shall be the same as those for the Degree of Master of Arts with Honours.

6. The subjects of examination for the Eglinton Fellowship to be competed for in October, 1888, and thereafter triennially, shall be the subject of examination for the Degree of Master of Arts with Honours in Mathematics and Natural Philosophy.

7. The Eglinton Fellowship shall not be held along with the Snell Scholarship, or Breadalbane Scholarship, and the holder of the Luke Fellowship or of the Metcalfe Fellowship shall not be admitted to compete for the Eglinton Fellowship.

The next ordinary competition will take place in October, 1893, the subject of examination being Mental Philosophy.

Candidates are required to give in their names to the Assistant Clerk (Matriculation Office) on or before 2nd October.

*Fellow*—Horatio S. Carslaw, M.A., 1891.

**WILLIAM EUING FELLOWSHIPS.**—Founded in 1874 by Mr William Euing, insurance broker, Glasgow, who by his Will bequeathed to the University, along with a library of rare and valuable books, the sum of £6,000 for the endowment of three Fellowships, each of the value of £80 per annum, and tenable for not more than five years. The Fellowships are open only to deserving students who have completed the regular curriculum in Arts, and taken the Degree of M.A. at this University, and are awarded after competition in the

<sup>1</sup> *i.e.*, Either at the ordinary Graduation in May or at the Supplementary Graduation in November.

subjects of the Arts curriculum. The Fellows are required to reside in Glasgow for at least nine months in the year, and "to open private classes, of limited numbers, for giving instruction to, and aiding students of the University—more especially during the vacation, or such part thereof as may be found expedient—in such studies as may be auxiliary to, or illustrative of, the course of lectures which such students may have attended, or be desirous of attending, and also to carry out the same purpose by a systematic course of private tuition."

One Fellowship is attached to the department of Classics, one to the department of Mathematics and Natural Philosophy, and one to the department of Mental Philosophy, including Logic, Moral Philosophy, and English Literature.

The Senate have issued the following regulations for the competition of these Fellowships :—

1. In the department of Classics there shall be one Fellowship competed for in October, 1875, and thereafter at intervals of four years (1895), the period for which the Classical Fellowship shall be ordinarily tenable.

2. In the department of Mental Philosophy one Fellowship shall be competed for in October, 1876, and thereafter at intervals of three years (1894), the period for which the Fellowship in the department of Mental Philosophy shall be ordinarily tenable.

3. In the department of Mathematics and Natural Philosophy one Fellowship shall be competed for in October, 1875, and a Fellow appointed for two years; the Mathematical Fellowship becoming vacant in October, 1877, shall be filled up for a period of three years (1895), the period for which the Fellowship in this department shall be ordinarily held.

In the event of a candidate being appointed to a vacancy to be filled for less than four years in the department of Classics, or for less than three years in the department of Mental Philosophy, or of Mathematics and Natural Philosophy, and being still eligible, under the usual regulations as above, to compete for the said Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than four years in all, or three years in all, respectively.

A Fellowship in Mental Philosophy will be open to competition in October, 1894.

Names of candidates to be given in to the Assistant Clerk (Matriculation Office) on 1st October of that year.

*Fellows*—John H. Pagan, M.A., 1891 (Classics); James R. Cameron, M.A., 1891 (Mental Philosophy); Walter Stewart, M.A., 1892 (Mathematics).

EXHIBITION (1851) SCIENCE SCHOLARSHIPS.—Her Majesty's Commissioners for the International Exhibition of 1851 have instituted Science Scholarships, each of the annual value of £150, and tenable for two years, subject to the scholar's first year's work being deemed satisfactory by the Scientific Committee of the Commissioners. The nomination to a Scholarship was placed at the disposal of this University in 1891, to another in 1892, to another in 1893, and it is anticipated that similar arrangements will be made in future years.

Candidates must be British subjects, and must have been students of Science in some approved institution or institutions for a period of three years, at least the third year of the period having been spent in this University. Capacity for original research tending to advance Science or its applications is required as one of the main qualifications. The Scholarships may be held at any University in England or abroad, or in some other institution approved of by the Commissioners. A scholar is expected to spend at least one year of the term at an institution other than that by which he is nominated. He must devote himself to some particular scientific work in connection with those branches of Science, such as Physics, Mechanics, and Chemistry, the extension of which is especially important to our national industries.

When a nomination falls to be made in any year, due notice will be given to enable candidates to lodge their applications with the Clerk of Senate before the beginning of April. Every application must be accompanied by a statement of the scientific study (including original research) in which the candidate has been engaged, and of the work to which he proposes to devote himself if appointed to the Scholarship.

*Scholars*—James B. Henderson, B.Sc., 1892; George E. Allan, 1893.

FERGUSON SCHOLARSHIPS.—With a view to the encouragement of the higher learning in Scotland, the trustees of the late Mr. Ferguson, of Cairnbrock, out of his legacy of £50,000 for educational and other purposes, instituted in 1860 six Scholarships, each of the value of £80 per annum, to be held for two years, and to be called "The Ferguson Scholarships."

The examination of candidates for three of these Scholarships will be held in Glasgow, on Tuesday, 26th September next, and following day. One of the Scholarships will be awarded for the greatest proficiency in Classics; one for the greatest proficiency in Mathematics, including Natural Philosophy; and one for the greatest proficiency in Mental Philosophy, including Logic, Metaphysics, and Ethics.

Subjects for examination—

CLASSICAL SCHOLARSHIP.—*Latin*—Lucretius, I., II., III., V.

Virgil, *Aeneid*, Books I.-VI. Horace, *Odes*, *Satires*, *Epistles*. Tacitus, *Annals*, I.-IV. Quintilian, I., VI., X. (Lachmann). Translations from Authors not prescribed. Latin Prose Composition.

*Greek*.—Homer, *Odyssey*, Books I.-XII. Aeschylus, *Prometheus*, *Agamemnon*. Plutarch, *Sulla*, *Lucullus*, *Crassus*. Plato, *Phaedo*, *Republic*, I., II., IX., X. Thucydides, Books I.-III. Translations from Authors not prescribed. Greek Prose Composition.

Questions on Greek and Roman History, Literature, Language, and Antiquities. The Questions will bear chiefly on the books prescribed.

**MATHEMATICAL SCHOLARSHIP.**—*Mathematics*.—Euclid's Elements. Modern Geometry. Algebra, including Determinants, Finite Differences, and Theory of Equations. Trigonometry, Plane and Spherical. Analytical Geometry, in two and three dimensions. Differential and Integral Calculus, and Differential Equations.

*Natural Philosophy*.—Abstract Dynamics (commonly called Mechanics), including Kinematics and Statics and Kinetics of Solids and Fluids. Experimental Physics and Applied Mathematics, including all the ordinary subjects treated in Lectures on Natural Philosophy.

**PHILOSOPHICAL SCHOLARSHIP.**—*Logic*.—Province and History of Logic. Logical Forms of Notions, of Judgments, and of Inferences. Fallacies and their Causes. Evidence. Authority and Historical Proof. Physical Science and its Methods. Recent discussions affecting Logic.

*Metaphysics*.—Psychology and Ontology. Nature, Origin, and Limits of Man's Knowledge of Self, the Material World, and God. History and Critical Analysis of Ancient and Modern Metaphysical Systems.

*Moral Philosophy*.—Psychology and Metaphysic of Ethics. Moral Faculty, Motives, and Will. Moral Government of the World and cognate Questions. Applied Ethics, including relations of Ethics to Law and Politics. History and Critical Analysis of Ancient and Modern Ethical Theories.

The competition will be open to all persons who have passed the last of the Examinations required for the Degree of Master of Arts in one of the Universities of Scotland (whether taking the degree at the same time or not) within two years immediately preceding, and who have not already gained one of these Scholarships or competed more than once previously for any of them.

The Examinations will be conducted in writing, and the Scholarships awarded on the report of the Examiners as to the merit of the Candidates, but the minimum of 600 out of 1,000 marks must be reached in order to entitle to a Scholarship.

The Scholarships, of £80 each per annum, are tenable for two years, subject to fulfilment of the following rule of the trustees :—



"Persons gaining the Scholarships will, during the tenure thereof, be expected to prosecute studies in furtherance of the higher learning; and those who have not graduated shall be required to do so before the last payment is made. Any case of conduct unbecoming a scholar and a gentleman shall incur forfeiture of the Scholarship, of which the trustees shall be sole judges."

Certificates will be granted to such of the unsuccessful competitors as, in the opinion of the Examiners, shall have taken a distinguished position in the Examinations.

Candidates are requested to give in their names, personally or by letter, at the Office of THE FERGUSON BEQUEST FUND, 94 Bath Street, Glasgow, not later than 1st September, 1893, and due intimation will be sent to those enrolled as to the place and hours of Examination.

The following Students of the University of Glasgow have obtained Ferguson Scholarships :—

1868, James Smith, Mathematical; 1869, Archibald B. Cameron, Philosophical; 1870, John Cross, Classical; 1870, James Orr, Philosophical; 1872, Wm. W. Waddell, Classical; 1873, Thomas H. Millar, Mathematical; 1874, William Patrick, Philosophical; 1875, William Y. King, Classical; 1878, John M'A. Dodds, Mathematical; 1878, Thomas B. Kilpatrick, Philosophical; 1882, Robert F. Muirhead, Mathematical; 1883, James A. M'Callum, Philosophical; 1886, James Buchanan, Mathematical; 1886, Andrew F. Smith, Philosophical; 1888, Ernest F. Scott, Classical; 1889, Evan Keri Evans, M.A., Philosophical; 1890, Abraham Levine, M.A., Mathematical; 1891, James Holm, M.A., Mathematical.

*Present Holders of the Scholarships.*—William Menzies, of St. Andrew's University, Classics, 1891; James Holm, M.A., of Glasgow University, Mathematics, 1891; Henry Barker, M.A., of Edinburgh University, Mental Philosophy, 1891; Wm. E. Philip, M.A., of Edinburgh University, Mathematics, 1892; Hugh R. Mackintosh, M.A., of Edinburgh University, and David Irons, M.A., of St. Andrews University, Mental Philosophy, 1892.

**FOULIS MEMORIAL SCHOLARSHIP.**—This Scholarship was founded in 1882 in memory of the late David Foulis, M.D., Glasgow, who had distinguished himself in Pathology and Surgery, and died at the age of 35 years. It is to be awarded as often as the accumulated income from the invested funds amounts to £50. The next appointment will not take place until September, 1894. It is tenable by a graduate or licentiate whose professional education has, to the extent of not less than two years, been received at the University or one of the extra-mural schools of Glasgow; and who shall, in the opinion of the trustees, have manifested a capacity for original work in the department of Pathology. The purpose of the Scholarship is to



assist in the prosecution of such work in one of the Medical Schools in or furth of Scotland, approved of by the trustees; and the trustees have power to determine whether it should be awarded by competition or otherwise.

The trustees are the Professor of Practice of Medicine in the University, the President and Visitor of the Faculty of Physicians and Surgeons of Glasgow, and the Pathologists of the Western and Royal Infirmaries. Secretary, Alexander Foulis, Esq., 180 St. Vincent Street, to whom applications should be sent on or before 1st September, 1894.

*Scholar*—Lewis R. Sutherland, M.B., 1892.

**LLOYD'S REGISTER SCHOLARSHIP.**—The general Committee of Lloyd's Register of British and Foreign Shipping have intimated their intention of establishing a Scholarship of the yearly value of £50, tenable for three years by students of Naval Architecture in this University. It is open to competition to candidates whose age does not exceed 23 years. Each candidate must produce satisfactory evidence that £50 a year would enable him to pursue his studies, and that he would be unable to do so unless this aid were afforded. The subjects of examination are the following:—Euclid, Books I. II. III. IV. VI. and XI.; Algebra, including Quadratic Equations, the three Progressions, and Binomial Theorem; Plane Trigonometry, with use of Logarithms; Elements of Statics, Dynamics, and Hydrostatics; Practical Shipbuilding; Mechanical Problems. A preference will be given to a candidate who possesses a thorough grammatical knowledge of English and of either French or German, although he may be somewhat deficient in the other subjects prescribed.

*Scholar*—James M. Dickson, 1892.

**LUKE FELLOWSHIP.**—In 1863, the late William Luke, Esq., of Edinburgh, bequeathed to the University of Glasgow the sum of £3,000 sterling, “to perpetuate the memory of his nephew George Rankin Luke” (formerly a highly distinguished student of this University, and afterwards student of Christ Church, Oxford), “in such a manner as his esteemed friend, Professor Nichol, may consider most beneficial.” Professor Nichol exercised the discretionary power thus conferred on him by directing that the sum bequeathed should be applied to the founding of a Luke Fellowship. The following are the regulations:—

1. There shall be a single Luke Fellowship (of about £80 per annum), tenable for three years, subject to the approval of the Senate at the end of the first and second years.

2. The Luke Fellowship shall be awarded on examination on English Literature, and on prescribed periods in History.

3. The successful competitor shall be bound to give such assistance

in the teaching of the class of English Literature as the Senate may in each case prescribe.

4. The Luke Fellowship shall be open to competition in October, 1868, and thereafter triennially.

5. Competitors for the Luke Fellowship must be Masters of Arts of this University, of not more than three years' standing, provided always that students graduating at the supplementary graduation in November of any year shall, for all purposes, be held to have graduated at the ordinary graduation in the May immediately preceding.

6. The Luke Fellowship shall not be held along with the Snell Scholarship, the Clark Scholarship, the Eglinton Fellowship, or the Euing Fellowship.

7. Students who have competed at one Luke Fellowship Examination shall not be admitted to another, nor shall the holder of the Eglinton Fellowship; but in the event of a candidate's being appointed to a vacancy to be filled for less than three years, and being still eligible, under the usual regulations as above, to compete for the Luke Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than three years in all.

The next competition for the Luke Fellowship will take place in October, 1898.

*Fellow*—Nicol Macnicol, M.A., 1892.

**MACKAY SMITH SCHOLARSHIPS.**—One in Natural Philosophy, the other in Chemistry, each of the annual value of £48, and tenable for two years in the Universities of Edinburgh and Glasgow alternately. During sessions 1882-83 and 1883-84 they were held in the University of Edinburgh, and during sessions 1884-85 and 1885-86 in the University of Glasgow. The next examination will be held in this University at the close of session 1896-97. Candidates must have already attended, or must be then attending the class of Natural Philosophy or Chemistry respectively. The examination in Chemistry will be held along with the examinations for the Degree of B.Sc. (new regulations), and the examination in Natural Philosophy along with the examinations for M.A.

*Scholars*—William C. Anderson, 1893 (Chemistry); Alexander G. Craig, 1893 (Natural Philosophy).

**METCALFE FELLOWSHIP.**—Founded by the late Miss Sarah Metcalfe, Glasgow. (See under Metcalfe Bursaries, p. 223.)

The following are the regulations of the Metcalfe Fellowship:—  
1. There shall be a Fellowship on the Metcalfe Foundation of the annual value of £100, tenable for three years, to be competed for in October, 1872, and thereafter triennially (1893).

2. Candidates must be Masters of Arts with Honours in the

department of Mathematics and Natural Philosophy, of not more than three years' standing, provided always that students graduating at the supplementary graduation in November of any year shall for all purposes be held to have graduated at the ordinary graduation in the May immediately preceding.

3. The examination shall be the examination for the Degree of Master of Arts with Honours in the department of Mathematics and Natural Philosophy.

4. The Fellowship shall be held subject to the condition of pursuing a course of study in such of the following subjects—viz., Higher Mathematics, Practical Astronomy, Civil Engineering, and Chemistry—as the Senate shall in each case prescribe.

5. The Metcalfe Fellowship shall not be held along with the Eglinton Fellowship, the Snell Scholarship, or the Breadalbane Scholarship; and the holder of the Eglinton Fellowship shall not be allowed to compete for the Metcalfe Fellowship; but in the event of a candidate being appointed to a vacancy to be filled for less than three years, and being still eligible, under the usual regulations as above, to compete for the said Fellowship on the occasion of the next regular vacancy, he shall be qualified to compete just as if he had not previously held the Fellowship, but in no case shall any student be permitted to hold the Fellowship for more than three years in all.

The next competition will take place in October, 1893. Names of candidates to be given in to the Assistant Clerk (Matriculation Office) on or before 2nd October.

**SANDFORD SCHOLARSHIP.**—Founded in 1862 (by the investment of a sum of £520, raised by subscription), in memory of Sir Daniel K. Sandford, the eminent Professor of Greek in this University, who died in 1838. It is tenable for two years, and is awarded to the student who, on examination, gives proof of the greatest proficiency in the Greek language. Value about £20 per annum.

The examination of candidates for this Scholarship takes place every alternate year in the month of April (1895), and is open to all matriculated students (not Masters of Arts) who have attended the Public Greek Classes for not less than two sessions.

The subjects of examination are selected from the following authors:—Homer, 12 books; Herodotus, 4 books; Sophocles, 3 plays; Thucydides, 4 books; Æschylus, 3 plays; Demosthenes, one or more orations; Aristophanes, 3 plays; Xenophon's *Memorabilia*; Pindar; Plato, one or more dialogues.

Candidates are examined on not more than four of the above-mentioned authors (of which Homer is always one)—two in prose and two in verse; and the subjects for each examination are given out by the examiners at the end of the session previous to that in which the examination takes place. Candidates are also examined

on Translations from Greek into English, with Criticisms, and Translations, in prose and verse, from English into Greek.

*Scholar*—Robert G. Nisbet, 1893.

SCOTT SCHOLARSHIP—(See under head "Scott Bursaries," p. 232).—This Scholarship, in value £80 per annum, is open for competition to Masters of Arts in the University of Glasgow of not more than three years' standing, having graduated with Honours in Classics or in Mental Philosophy, or to students who, at the time of competition, are presenting themselves for the final examination in the said University for the M.A. Degree with Honours in Classics or in Mental Philosophy. The examination to be in Classics, Mental Philosophy, and English Literature, which may include History. The Scholarship is tenable for two years, and the holder is required to follow such a course of study in the University of Glasgow, or give such assistance in the teaching work of the University as the Senatus Academicus may determine. The Scott Scholarship is not to be held along with any other Scholarship, Fellowship, or Bursary of the University of Glasgow. "The subjects of examination for the said Scholarship shall be, with the addition after-mentioned, Classics, or Mental Philosophy, or both of these, the special subjects being those for the examination for the M.A. degree with Honours in the given department or departments for the year, and in addition to the examination above mentioned the competitors for the said Scholarship shall undergo an examination in English Literature of a higher kind than that required for an ordinary pass in Mental Philosophy." The Scholarship will be open to competition in October, 1894. The examination will be in Classics.

*Scholar*—Robert Baillie Douglas, M.A., 1893.

SHAW PHILOSOPHICAL FELLOWSHIP.—This Fellowship was founded by subscription in 1867, in the University of Edinburgh, in memory of Sir J. Shaw, Bart., who was born at Mosshead, in the Parish of Riccarton, and County of Ayr, in 1764, was elected Lord Mayor of London in 1805, and M.P. for the same city in 1806, and after a long and distinguished career, died in London in 1843; and is open to the competition of the Graduates in Arts of any of the Scottish Universities. The Fellowship consists of the free proceeds of the sum of £4,100 mortified to the Senatus Academicus of the University of Edinburgh under the following conditions, namely :—

1. The said Fellowship shall bear the name of "THE SHAW PHILOSOPHICAL FELLOWSHIP," in memory of the said Sir James Shaw, Baronet.

2. The Patronage of the said Shaw Philosophical Fellowship shall belong to the said Senatus Academicus, and shall be exercised by them, subject to the conditions herein contained, for the



encouragement of the study of Logic, Metaphysics, including Psychology, Moral Philosophy, and the History of Philosophy.

3. The Fellowship shall be awarded by competitive examination in the subjects of Logic, Metaphysics, including Psychology, Moral Philosophy, and the History of Philosophy.

4. The Fellowship shall, on each occasion of an appointment thereto, be open to the competition of Graduates in Arts of the Scottish Universities—that is to say, the University of Edinburgh, the University of Glasgow, the University of Aberdeen, and the University of St. Andrews, of not more than five years' standing at the time of the competition, and of all students of the said Scottish Universities who, although they have not graduated in Arts, shall yet have successfully passed the last of the examinations necessary for such graduation in Arts, within the period of five years before the time of the competition; and the said Senatus of the University of Edinburgh, with consent of the Senates of the other Scottish Universities aforesaid, or of a majority of them, and with the concurrence of the University Court of the University of Edinburgh, shall have power either to increase or to reduce the number of years of standing as graduates, or as students who have passed all the examinations necessary for graduation, as above fixed, for competitors for the Fellowship.

5. The Fellowship shall be tenable for five years only, but the said Senatus Academicus of the University of Edinburgh shall have power, with consent of the Senates of the other Scottish Universities aforesaid, or of a majority of them, and with the concurrence of the University Court of the said University of Edinburgh, to extend, with reference to all holders of the Fellowship, the term of tenure to any period of years not exceeding ten, if, in the course of time, it shall appear to them desirable to do so, from an increase in the number of foundations of a similar kind in the University of Edinburgh, or in the other Scottish Universities, or other sufficient reason.

6. The competitive examination for the said Fellowship, shall, except in the case below provided for, be conducted by two Examiners, to be appointed in the manner following—to wit, one of the Examiners shall be appointed by the Senatus Academicus of the University of Edinburgh, either from among the members of the said Senatus or others, as they may think proper, and the other Examiner shall be appointed by the Senatus Academicus of one of the other Scottish Universities in rotation.

7. The said Examiners, so appointed, shall report their opinion of the result of the examination to the Senatus Academicus of the University of Edinburgh, who shall, as Patrons of the said Fellowship, appoint thereto the candidate who appears by the report to be best qualified by proficiency in the subjects of Logic, Metaphysics, including Psychology, Moral Philosophy, and the History of Philosophy, provided that, as required by the clause next following, such



best qualified candidate shall, in the opinion of both the Examiners, have manifested a sufficiently high degree of proficiency to merit the Fellowship.

9. Each holder of the said Fellowship shall, during his tenure thereof, be entitled to receive the annual proceeds of Four Thousand One Hundred Pounds, and of any addition of the said sum which may hereafter be made thereto, as after-mentioned, after deducting all reasonable expenses, including the payment of remuneration to the Examiners appointed as aforesaid.

12. It shall not be competent for any person to hold the said Fellowship along with any other Fellowship, Scholarship, or Bursary, in any Scottish University, or appropriated to the students of any Scottish University or Universities.

17. It shall be in the power of the Senatus Academicus of the University of Edinburgh to require the holder of the Shaw Philosophical Fellowship during the fourth or fifth year of his tenure of it, to deliver in the University of Edinburgh a Course of Lectures, not exceeding four, on any of the subjects for the encouragement of the study of which the Fellowship has been founded; and notice shall be given to the holder of the Fellowship twelve months previously to the time fixed for the delivery of the said Lectures that he is required to deliver them; but the said Senatus, with consent of the University Court of the University of Edinburgh, shall have power to alter the number of Lectures, if it shall be found desirable to do so.

The Fellowship will be open to competition in session 1893-94. For further information apply at the Matriculation Office, Edinburgh University.

SNELL EXHIBITIONS.—In the year 1677, Mr. John Snell of Uffeton, in the County of Warwick, a native of Scotland, and formerly student in this University, devised to trustees a considerable estate near Leamington, in Warwickshire, for educating Scottish students at Oxford.

The Exhibitioners are now elected under a scheme settled in the Court of Chancery in 1872. Under the provisions of this scheme it was then arranged that the number of Exhibitioners should be limited to fourteen, it being lawful to elect three in each year, unless the number on the Foundation should thereby be increased beyond fourteen, in which case not more than two were to be elected, the Exhibition being tenable for five years; but by an agreement of date 2nd April, 1878, under provisions of the same scheme, the following regulations were sanctioned:—

1. The stipend of each Exhibitioner admitted to the foundation after the 31st day of December, 1878, shall be £132.

2. Until the 31st day of December, 1880, the greatest number of Exhibitioners shall be twelve.

3. During the year from the 31st day of December, 1880, to the

31st day of December, 1881, the greatest number of Exhibitioners shall be eleven.

After the 31st day of December, 1881, the greatest number of Exhibitioners shall be ten.

The number of ordinary Exhibitioners it shall be lawful to elect in each year shall be three, unless the number on the foundation for the time being would be thereby increased beyond the greatest number for the time being permitted by this agreement, in which case not more than two shall be elected.

By a subsequent agreement of date 21st January, 1886, the following modifications were made:—

1. The value of the Snell Exhibitions shall be reduced to £80 a year.

2. They shall be held, as heretofore, for five years, but the whole sum of £400 will be paid to each Exhibitioner during the first three years of his tenure in equal annual sums, but a moiety of the last annual payment shall be kept back, if the authorities of Balliol College think fit, until the Exhibitioner shall have taken his Degree.

Candidates must have been born in Scotland, or must be sons of fathers born in Scotland, and must “have resided<sup>1</sup> as Undergraduate Students for two years at least in Glasgow College, or for one year in that College and two at least in some other College in Scotland.” “No candidate shall be admitted to examination who shall be a member of the University of Oxford of more than one year’s standing from the day of his matriculation inclusive; and no candidate shall be admitted to examination more than once after he shall have completed his 23rd year; but a candidate otherwise qualified shall not be excluded from examination on the ground that he is a graduate of any Scotch University.”

Candidates are expected to inscribe their names in a book kept at the Clerk of Senate’s Office for the purpose, not later than 1st December, 1893. The next examination will be held in March and April, 1894, on the same days and at the same hours as the Examinations for the Degree of M.A. with Honours, the English paper being taken on Saturday, 31st March, at 10 A.M.

The subjects of examination are as follows:—

IN LATIN, GREEK, LOGIC, AND MORAL PHILOSOPHY.—The subjects of examination for the Degree of M.A., with Honours.

IN NATURAL PHILOSOPHY AND MATHEMATICS.—The subjects of examination for the Ordinary Degree of M.A., and higher subjects which any candidate may express a wish to be examined in.

Candidates are requested to take notice that they are not required to attend the examination in more than one of the three depart-

<sup>1</sup> By Resolution of date December 13th, 1866, the Senate determined that “Residence” shall, for the purpose of the Snell Trust, be constituted by regular attendance as a public student for the complete Winter Session on not less than two of the classes in the curriculum for the Degree of Arts.

ments of the examination, viz.: Classics, Mental Philosophy, Mathematics; that a candidate may be appointed for decided excellence in any one department alone; and if such excellence in some one of the departments be not displayed by three of the candidates, the Senate will either appoint a candidate who has shown sufficient proficiency in several departments, or will abstain from making three appointments. All candidates, however, will be required to write an English Essay on a subject prescribed at the time.

*Exhibitioners*—Hugh Macpherson, 1889; John E. M'Fadyen, 1890; George D. Brown, 1891; Edward H. Wallace, 1893.

THOMSON EXPERIMENTAL SCHOLARSHIPS.—Three Scholarships, in value about £20 each, for the promotion of Experimental Research, founded by Sir William Thomson (now Lord Kelvin), LL.D., D.C.L., Professor of Natural Philosophy in the University, by letter to the Principal, of date September 6th, 1869, in which, after referring to "the liberal and friendly spirit which had been shown him by his colleagues in respect to his connection with telegraphic enterprise," and the "facilities for experimenting which the College had afforded him," he states that "he wished to mark his sense of these benefits by setting aside something of what he had received to assist in promoting the cultivation of experimental investigation in Glasgow University," and for this purpose offered for the acceptance of the Senate the sum of £1,000.

The scholars are appointed by the Senate on the recommendation of the Professor of Natural Philosophy from among students who have previously shown their zeal and ability in Experimental Investigations in the Physical Laboratory, and they are required to engage in the continual prosecution of Experimental Investigations in the Laboratory for not less than nine months of the year, to the satisfaction of the Professor of Natural Philosophy. These Scholarships may be held along with any other Bursary, Scholarship, or Fellowship.

*Scholars for 1893*—William Parry, John Gray, Cunison D. Rankin.

## 3.—PRIZES.

Besides the class Prizes, and a number of Prizes given by the different Professors for particular kinds of merit, there are others which the generosity of public-spirited individuals has founded for the encouragement of learning in the University.

The names of the Prizemen for Session 1892-93 will be found in the Degree and Prize List.

## INDEX.

FOUNDATION.	NATURE OF PRIZE.	AWARDED FOR
Arnott, - - - - -	£25 and £15,	Examinations.
Brunton Memorial, -	£10,	Do.
Buchanan (3), - - -	Books,	Do.
Cleland, - - - - -	Gold Medal,	Essay.
Coulter, - - - - -	Two at £5 each,	Essays.
Cowan (3), - - - -	Gold Medals,	Examinations.
Cunninghame, - - -	Gold Medal,	Do.
Dobbie-Smith, - - -	Gold Medal (biennial),	Essay.
Dowanhill, - - - -	£21 and £10 10s.,	Elocution.
Ewing, - - - - -	Gold Medal (biennial),	Essay.
Findlater, - - - - -	£38,	Examination.
Gartmore, - - - - -	Gold Medal (biennial),	Essay.
Gladstone Historical, -	£21 (biennial),	Examination.
Harvey, George, - - -	£20,	Do.
Henderson, - - - - -	£21,	Essay.
Jamieson, - - - - -	£10,	Examination.
Jeffrey, - - - - -	Gold Medal,	Do.
Thomas Logan Memorial	Do. and £12,	Do.
Luke Historical, - - -	£10 (biennial),	Do.
Macfarlan and Cook, -	£21,	Do.
Muirhead, - - - - -	Books,	Do.
Rae Wilson, - - - - -	Gold Medal,	Essay.
Reid, John, - - - - -	£25,	Original Research.
Ross, Robert (2), - - -	Med., books, or money,	Examinations.
Scott-Macfarlan, - - -	Gold Medal,	Examination.
University, - - - - -	Silver Medal,	Essay.
Walker (4), - - - - -	Books, &c.,	Examinations.
Watt, - - - - -	£10,	Essay.

ARNOTT PRIZES.—Founded in 1869, by Dr. Neil Arnott, of London, who presented to the Senate the sum of £1,000 to found a Prize, or Prizes, for the encouragement of the study of Natural Philosophy among the Medical students of the University.

By resolution of the Senate, of date April 10, 1873, the following regulations were adopted :—

1. That there shall be two separate examinations—one in General Physics, for students of the first and second years of their Medical

studies; the other for students of the third and fourth years, in Physiological Physics, or the application of the doctrine of General Physics to Physiological Science.

2. The knowledge required for the second of these examinations being much more extensive, and of a much higher order than that required for the first, and being the kind of knowledge of which it is most important to encourage the cultivation, as not only useful in the practice of the Medical Art, but eminently fitted to advance the Physiological Sciences; that a sum of not less than Twenty-five pounds be offered annually, in one or several sums, as circumstances may require, to the student or students who excel in the second examination.

3. That the remaining portion of the revenue derived annually from Dr. Arnott's donation be offered in the same way to the student or students who excel in the first examination.

4. That the first examination be under the superintendence of the Faculty of Arts, with the Professors of Physiology and of Anatomy as Assessors.

5. That the second examination shall be under the superintendence of the Medical Faculty, with the Professors of Natural Philosophy and of Mathematics as Assessors.

6. That all candidates shall, at the commencement of each session, intimate their intention to the Assistant Clerk (Matriculation Office); and that, to prevent unqualified persons from coming forward, each candidate shall produce satisfactory evidence of his having attended a Course of Lectures on Natural Philosophy, or of having been a pupil in a Laboratory where Practical Physics or Practical Physiology is taught; or, failing of these qualifications, he shall deposit the sum of ten shillings, which shall be forfeited if his examination marks fall below the average standard.

7. That every candidate who passes creditably the first examination shall be thereby entitled to come forward for the second, without being obliged to deposit the sum of ten shillings.

8. That no prize shall be awarded without sufficient merit being shown, and that in the event of one or more of the prizes on any occasion not being awarded, the amount shall be added to the principal sum.

The examination will be in writing, and will be held on Saturday, the 28th October, 1893, in the Examination Hall, at 2 P.M. Intending candidates to give in their names to the Assistant Clerk (Matriculation Office) on or before 2nd October.

**BRUNTON MEMORIAL PRIZE.**—Founded in 1879, in memory of the late Duncan M. Brunton, M.A., M.B., Paisley, a distinguished graduate of this University, who died on 16th November, 1876, of fever, contracted in the diligent discharge of his professional duties in the Royal Infirmary of Paisley. The Committee of Subscribers



paid over to the Senate the sum of £300, the interest of which is to be given annually to the most distinguished graduate in Medicine of the year.

**BUCHANAN PRIZES.**—A Bursary was founded in 1866, in recognition of the eminent services of Robert Buchanan, LL.D., as Professor of Logic and Rhetoric in the University during the long period of forty years. The fund consists of a sum of £314 raised by subscription. The Buchanan Bursaries having been founded under the Will of Professor Buchanan, the proceeds of this fund are now, with the sanction of the subscribers, applied to the purchase of books, which are annually awarded to the most distinguished students in the classes of Logic, Moral Philosophy, and English Literature.

**CLELAND GOLD MEDAL.**—Dr. James Cleland, Superintendent of Public Works in Glasgow, who died 14th October, 1840, founded a Gold Medal of the value of Ten Guineas, to be bestowed in alternate years on a student of Divinity, and a student of Natural Philosophy, as a prize for the best Essay on any subject to be prescribed by the Principal and Professors of the University.

**COULTER PRIZES.**—In 1787, Mr. James Coulter, merchant in Glasgow, bequeathed £200 to the University, "the annual proceeds to be applied in premiums, one or more, either pecuniary or honorary, for the encouragement of Composition and Elocution, upon subjects of the Faculty's choosing." The interest of this sum is now divided into Two Prizes of £5 each; the one to be given in alternate years for a Sermon or Theological Essay, and for an Essay on Mental Philosophy and English Literature, the other to be given annually for a translation from some Classical Author, or other composition connected with Classical Literature. The competition for these prizes is open to all students of the University.

**COWAN GOLD MEDALS.**—In 1836, Dr. Cowan of Sunderland presented to the University the sum of £400, the interest to be applied annually in the purchase of Two Gold Medals of the value of about £10 each, to be awarded to the two students who may distinguish themselves most in the Greek and Latin Examination upon the Blackstone; and shortly afterwards (1839) the same gentleman presented the University with an additional sum of £105, the interest to be expended annually in the purchase of a Gold Medal of the value of £5, to be awarded to the best student in the Humanity Class.

The examination for Dr. Cowan's Blackstone Medals will be held early in November, 1893. Competitors to be eligible must be public students in some curriculum class in the Faculty of Arts.

For the Greek Medal—1. A candidate must have received a Certificate in the Greek Class for session 1892-93.

2. Every candidate will be required to answer a Preliminary Paper, consisting of unprepared passages for translation.

3. Two or more candidates, selected by this paper, will on a subsequent day be examined orally in the books which they offer.

4. Each selected candidate must offer for the Oral Examination (i.) one Verse Subject, (ii.) one Prose Subject. (i.) The Verse Subject must be *either* five books of Homer, *or* two Greek plays (tragedies or comedies). (ii.) The Prose Subject may be any *one* of the following :—(a) Herodotus—two books ; (b) Thucydides—two books ; (c) Plato—two dialogues, *or* two books of the *Republic* ; (d) Aristotle—two books of the *Ethics*, of the *Politics*, *or* of the *Rhetoric*.

5. Any member of the Greek Class for session 1893-94 is at liberty to go in for the Preliminary Paper, even though he is not a candidate for the Cowan Medal ; and if he acquits himself with distinction in that paper, his name will be mentioned when the award of the Medal is announced.

For the Latin Medal, competitors must in the session preceding the competition have received a public ticket of the Latin Class.

Notice is hereby given, that at the examination for Dr. Cowan's Medals in November, 1892, and thereafter, no one will be admitted to compete for the Greek Cowan Medal who has attended for more than three sessions, *or* who, after passing the preliminary examination in Greek, has attended for more than two sessions in any Scottish University, and no one shall be admitted to compete for the Latin Cowan Medal who has attended for more than two sessions, *or* who, having been admitted to the Senior Class in consequence of having passed the preliminary examination in Latin, has attended for more than one session in any Scottish University.

**CUNNINGHAME GOLD MEDAL.**—In 1886, Mr. Andrew Cunningham, Town Clerk Depute of Glasgow, bequeathed to the University, *inter alia*, £350, free of legacy duty, with directions that the annual revenue thereof should be applied in purchasing a Gold Medal as a prize in the class of Mathematics.

**DOBBIE-SMITH GOLD MEDAL.**—In 1881, Mr. Thomas Smith, L.R.C.S.E., Heriot Hill House, Edinburgh, presented to the University, in memory of his wife, lately deceased, the sum of £150 for the purpose of founding a University Gold Medal of about £10 in value, to be given biennially for the encouragement of the study of Botany. The competition is open to all Matriculated Students of the session in which the Medal is to be awarded ; the subject of competition—which shall always be a Botanical subject—to be selected by the Professors of Botany and Natural History, and announced at least eighteen months before the date fixed for receiving essays.

The subject for the next competition to be an Essay on any subject within the limits of the Science of Botany. The treatment of the subject to show original work, and the essay to be accompanied

by an illustrative series of macroscopic and microscopic specimens. Essays to be given in to the Principal on or before 14th November, 1893.

**DOWANHILL PRIZES.**—Two prizes, one of £21, and the other of £10 10s., for “Excellence in the Art of Oratory and Declamation, and in the practice of a refined and pleasing Delivery, and in reading the Scriptures,” founded in 1865, by Mr. John Buchanan, merchant in Glasgow, as sole Trustee, nominated and appointed by his deceased brother, Mr. Thomas Buchanan, also merchant in Glasgow, and in order to carry out the intentions of his said brother. These prizes are awarded annually to Students of Divinity, at the termination of the third or fourth session of their attendance on the Hall, by the votes of their fellow-students. Competitors must have attended for two sessions an Elocution Class, taught by a master approved by the Senate.<sup>1</sup>

The above foundation is in memory of the late Mr. James Buchanan, of Dowanhill, of Ellison MacCallum, his wife, and of Mr. George Buchanan, of Stanley, Perthshire, the Father, Mother, and elder Brother of the Founder.

**EWING GOLD MEDAL.**—In 1828, James Ewing, LL.D., of Levenside, presented the University with £100 for a Gold Medal to be given every second year for the best essay on an historical subject. The Gartmore and Ewing Medals are to be given alternately.

**FINDLATER (DIVINITY) SCHOLARSHIP OR PRIZE.**—This Scholarship, consisting of the free annual proceeds of the sum of £1,000 gifted to the Senate by Mr. Alexander Findlater, Dublin, was founded in 1871. The following regulations were adopted by the Senate, Nov. 30th, 1871, with modifications on 9th March, 1882, and 20th March, 1884:—

1. The Findlater Scholarship shall be awarded annually by competition.

2. At the competition in November, 1885, and thereafter biennially (1893), the examination shall be in Hebrew, New Testament Exegesis, and Apologetics; at the competition in April, 1885, and thereafter biennially (1895), the examination shall be in Divinity (Biblical and Systematic Theology), Church History, and Biblical Criticism.

3. The subjects of Examination in each of the departments shall be the same as those prescribed for the Degree of B.D.

4. The examination shall be held at the same time as the examination for the Degree of B.D.

5. The competition shall be open to all students of Divinity who shall complete the ordinary course at the close of the session in which the examination is held, or who shall have completed their course at the close of the session immediately preceding.

<sup>1</sup> See Note under Faculty of Theology, *supra*.

The next competition will take place in November, 1893, the examination being in Hebrew, New Testament Exegesis, and Apologetics. Names of Candidates to be given in to the Assistant Clerk (Matriculation Office) on or before 27th October, 1893.

**GARTMORE GOLD MEDAL.**—In 1788, Mr. Robert Graham, of Gartmore, presented the University with £100 for the institution of a Prize for the best essay on any subject intimately connected with the nature, foundation, advantages, and support of political liberty. This Prize—a Gold Medal—is open to the competition of all students of the University, and is given biennially. The surpluses to be accumulated till a capital is formed sufficient to found a Bursary.

**GLADSTONE HISTORICAL PRIZE.**—Founded in 1880 by the Gladstone Club, in commemoration of the election in 1877 of the Right Honourable William Ewart Gladstone, M.P., as Lord Rector of Glasgow University, and in recognition of his distinguished career as a scholar, author, statesman, and orator. The following are the regulations :—

1. The prize shall be given for the best examination in English History.
2. The examination shall be held biennially.
3. The value of the Prize shall be Twenty Guineas.
4. The competition shall be open to Graduates of Glasgow University of not more than two years' standing from the date of their first graduation. The sixth competition will take place in January, 1894. Names of competitors to be given in to the Assistant Clerk (Matriculation Office) not later than 1st December, 1893.

**GEORGE HARVEY PRIZE.**—Founded in 1874, by the liberality of a donor who has withheld his name, in memory of the late Mr. George Harvey, of No. 9 Park Quadrant, Glasgow. Annual value, ordinarily £20, which is given as a prize in the class of Civil Engineering, to the student who shows, during the session, the greatest proficiency in the department of applied Mechanics and Shipbuilding. Any accumulation of surplus income to be given as a second prize of £5 or £10 in the same department.

**HENDERSON PRIZE.**—In 1850, Mr. John Henderson, of Park, merchant in Glasgow, instituted an annual prize of the value of £21 sterling, to be called the "Henderson Prize," for the best Essay on some subject relating to the Divine Authority and Practical Value and Influence of the Sabbath.

**JAMIESON PRIZE.**—In 1854 a subscription list was opened for the foundation of a prize or scholarship in Divinity, but the commercial difficulties of the following years prevented the purpose of the promoters being carried out at the time. In 1881 the sum subscribed,



amounting, with accumulated interest, to £319 6s. 4d., was handed over to the University, and the Senate resolved to connect it with the name of the Convener of the Committee of subscribers, the Rev. Robert Jamieson, D.D., formerly minister of St. Paul's Church, Glasgow.

The following regulations were adopted by the Senate, March 9th, 1882, with modifications on March 20th, 1884 :—

1. The Jamieson Prize shall be awarded annually by competition.

2. At the competition in April, 1885, and thereafter biennially (1895) the examination shall be in Divinity, Church History, and Biblical Criticism ; at the competition in November, 1885, and thereafter biennially (1893), the examination shall be in Hebrew, New Testament Exegesis, and Apologetics.

3. The subjects of examination in each of the departments shall be the same as those prescribed for the Degree of B.D.

4. The examination shall be held at the same time as the examination for the Degree of B.D.

5. The competition shall be open to all students of Divinity who shall complete the ordinary course at the close of the session in which the examination is held, or who shall have completed their course at the close of the session immediately preceding.

6. The Prize shall not be awarded to any one who has gained a Scholarship or Fellowship in Divinity.

The next competition will take place in November, 1893, the examination being in Hebrew, New Testament Exegesis, and Apologetics. Names of candidates to be given in to the Assistant Clerk (Matriculation Office), on or before 27th October, 1893.

**JEFFREY GOLD MEDAL.**—Mr. Francis Jeffrey, advocate (afterwards Lord Jeffrey), on his re-election as Lord Rector of this University, in 1821, gave a prize of a Gold Medal, and continued to do so annually.

In 1849, Lord Jeffrey presented the University with the sum of £120 for a Gold Medal to be awarded each session to the most distinguished student of the Greek Class.

**THOMAS LOGAN MEMORIAL MEDAL AND PRIZE.**—Mr. David Logan, fruiterer, Glasgow, who died on 19th May, 1886, directed his trustees to pay to the Senate the sum of £500, free of legacy duty, to found a Gold Medal and Prize in memory of his brother, Thomas Logan. The Medal is of the value of £5, and the Prize consists of the balance of the annual proceeds given in money. They are awarded annually in November to the most distinguished graduate in Arts of the year.

**LUKE HISTORICAL PRIZE.**—A sum of £150 was collected in 1863 by various friends of the late Mr. George Rankin Luke, in Oxford and Scotland, for the purpose of founding a Prize in his name, in



connection with the University of Glasgow, where he studied during two years of his brilliant career as a scholar.

The Senate, with the sanction of the promoters of this fund, resolved to employ it to found a biennial Prize, for excelling in a competitive examination on general subjects connected with Ancient History and Literature. The examination to be conducted either altogether in writing, or by combination of writing and *viva voce* questions; and the determination to rest with the Professors of Humanity and Greek, in conjunction, in case of uncertainty, with any one of their colleagues whom they may desire to nominate.

The Prize on the above foundation is given to the student who acquits himself best in an examination in Ancient Greek and Roman History.

The next competition will be held in January, 1895. In addition to historical questions, original passages will be given for translation from the standard authors. The competition is open to all students who shall have attended during session 1893-94 any Greek or Latin Class.

Names of Candidates to be given in to the Assistant Clerk (Matriculation Office) on 1st December, 1894.

**MACFARLAN AND COOK TESTIMONIAL PRIZE.**—The Macfarlan and Cook Testimonial Prize of Twenty Guineas, instituted in 1847 (along with a similar Prize in the University of St. Andrews), by the friends of the late Principal Macfarlan, D.D., of this University, and Professor George Cook, D.D., of St. Andrews, as a memorial of the services rendered to the Church of Scotland by these eminent clergymen, is bestowed annually on the Theological Student, of three years' standing, who shall pass the best examination in Greek, Moral Philosophy, Hebrew, Ecclesiastical History, and Divinity.

**MUIRHEAD PRIZES.**—In 1776, Messrs. John Muirhead of Teggetsheugh, and Peter Muirhead, minister of Dysart, brothers of the deceased Mr. George Muirhead, Professor of Humanity in Glasgow College, presented a donation of £100, the interest to be applied in purchase of books to be awarded as prizes to those students attending the Humanity Class who shall be thought most deserving.

**RAE WILSON GOLD MEDAL.**—Dr. William Rae Wilson, of Kelvinbank, who died 2nd June, 1849, bequeathed the sum of £300, two-thirds of the interest of which he appointed to be applied annually to the purchase of a Gold Medal to be bestowed upon the Divinity student who shall produce the best Prize Essay on "The Life of our Adorable Redeemer, Jesus Christ: His Righteousness, Atoning Death, and that Everlasting Benefit arising from these blessings to a lost and miserable world."

**JOHN REID PRIZE.**—A Prize of the value of £25 has been founded by Miss Mary Reid, Renfrew Street, Glasgow, in memory of

her brother, the late Mr. John Reid, surgeon, 150 Renfrew Street, Glasgow. The prize will be awarded for the best original research conducted in one of the Hospitals or Scientific Laboratories in Glasgow, bearing on any department of Medical Science. Competitors must be registered students of medicine (not in possession of a legal qualification) of not less than two years' standing at the date of application, and they will require to produce evidence of having attended a regular course of instruction, in one of the medical schools of Glasgow, on *four* of the following subjects:—Medicine, Clinical Medicine, Surgery, Clinical Surgery, Materia Medica, Physiology, Pathology—such course of instruction having been received, in whole or in part, within two years of competing for the prize. The prize may be awarded for one, two, or three years, according to the value of the work done.

Further information may be obtained from Mr. John Hurl, jun., writer, 121 West Regent Street, Glasgow, to whom competition papers must be sent on or before 31st October. 1893.

**ROBERT ROSS PRIZE.**—The late Robert Ross, Esq., writer, Glasgow, by his Will, dated 1880, bequeathed to the Dean and Council of the Faculty of Procurators, Glasgow, the sum of £500, to be held by them in trust, "to the end that the free annual income thereof shall be applied as an annual prize in the form of a medal, of books, or of money, as the Dean and Council may determine, to a student in each of the Scots Law Class and the Conveyancing Class of the University of Glasgow in equal proportions, such prize to be awarded for eminence displayed, either in the general business of the class or in any other manner in which the said Dean and Council may prescribe."

**SCOTT-MACFARLAN GOLD MEDAL.**—Founded in 1870, by Miss Scott, daughter of the late Rev. Robert Allan Scott, Vicar of Cranwell, Lincolnshire, in fulfilment of her father's intentions.

Mr. Scott, wishing to encourage the study of Greek in the University of Glasgow, of which he was an alumnus, and from which he obtained an Exhibition to Balliol College, Oxford, in 1825, dedicated to that purpose the sum of £100 for a Gold Medal, to be called the "Scott-Macfarlan Prize for Greek," in memory of Mr. Scott's kinsman, the late Principal Macfarlan, and to be given on the last day of the session in each year to the best scholar in Greek of the session; the medal to be adjudged by the votes of the students of the upper Greek class. As the Jeffrey Medal has long been given to the best student in the senior Greek Class, Miss Scott consented to give the "Scott-Macfarlan" Medal to the best student in the middle class.

**UNIVERSITY MEDAL.**—The University bestows annually a Silver Medal for an Essay in Mental Philosophy.

**WALKER PRIZES.**—Four Prizes (consisting of Books or Instruments) to be competed for each year by students of Civil Engineering and Mechanics, founded in 1857 and 1861 by James Walker, Esq., Civil Engineer, LL.D., FR.SS.L. and E.

The competition is open to all persons who shall have duly entered themselves as attending the class of Civil Engineering and Mechanics during the current session.

The competitors are examined orally and in writing ; and two of the prizes are awarded on the results of the written examinations ; the other two by votes of the class.

**WATT PRIZE.**—In 1808, James Watt, LL.D., presented the College with a perpetual annuity of £10, for the institution of a prize, to be awarded to the author of the best Essay on some subject in the following branches of study, to be taken in rotation :—  
1. Any branch of Mechanics or its dependent Arts. 2. Statics, and the Machines and Arts dependent. 3. Pneumatics, Statical or Chemical, Machines and Arts. 4. Hydraulics, Hydrostatics, their Machines and Arts. 5. Chemistry, its Arts and Apparatus. All actual students who have completed, or who, at the end of the session in which the Prize is awarded, shall have completed a regular course of study in Languages and Philosophy, may be competitors.

**DILL PRIZE.**—A sum of £25 has been presented to the Medical Faculty by Professor Robert F. Dill, of Belfast (M.D. Glasgow, 1834), as evidence of his desire to promote the interests of the University and Medical School, by offering a prize for the best Thesis among those awarded "Honours" or "Commendation" from June, 1893, to the graduation of July, 1896.

#### 4.—LIST OF BURSARIES, &c., OPEN TO COMPETITION DURING SESSION 1893-94.

##### A.—FACULTY OF ARTS.

##### 1.—BURSARIES.

The greater number of the Faculty of Arts Bursaries in the patronage of the Senate are awarded in accordance with the results of the Annual Bursary Examinations held at the commencement of the Winter Session. The various open Bursaries are awarded, according to their respective values, to those who stand highest in the List published by the Examiners. In the case of Bursaries restricted to the inhabitants of particular localities, the competitors have to undergo the same examination as those competing for open Bursaries, and the Bursaries are awarded to those students among the qualified candidates who pass the best examination. The Faculty of Arts are ready to receive at the same time for examination candidates for any Local Bursaries who may be sent to them.

The Examination for these Bursaries is combined with the Preliminary Examinations in Latin, Greek, and Mathematics, and comprises papers in Latin and Greek Grammar and Syntax, Latin Prose Composition, translations of passages from ordinary Latin and Greek Authors, and Mathematics, together with questions to test general knowledge and facility of composition in English.

The competitors for all Arts Bursaries, for students entering the first or second session, are examined on the same set of papers; but the same standard of excellence is not expected from candidates for Bursaries for which the competition is restricted, as from candidates for open Bursaries; and in the case of Bursaries restricted to particular localities, or particular names or classes, students who show satisfactory knowledge of Latin and Greek Grammar, and of Arithmetic, with the Elements of Mathematics, will be considered to have done well enough to have a Bursary awarded to them.

##### FOR STUDENTS ENTERING THE FIRST SESSION IN ARTS.

1. *Blackquarry School Bursary*, annual value £13, tenable for four years—open.
2. *Forfar Bursary*, annual value £30, tenable for four years—open.
3. *Foundation Bursary*, annual value £10, tenable for four years—open.
4. *General Council Bursary*, annual value £20, tenable for three years—open.
5. *Hastie Bursary*, annual value £25, tenable for four years—open.
6. *John Leyden Bursary*, annual value £13, tenable for three years—open.

7, 8, 9, 10, 11, and 12. *Six John Clark (Mile-end) Bursaries*, annual value £30 each, tenable for four years, for Protestant students, sons of Protestant parents.

13 and 14. *Two Biggart Memorial Bursaries*, annual value £25 each, tenable for four years, for students preparing for the Ministry of the United Presbyterian Church.

15. *Browne (Ayrshire) Bursary*, annual value about £20, tenable for four years, for natives of Ayrshire, or those who have been educated for not less than four years in a school in Ayrshire.

16. *Archibald Craig Bursary*, annual value £9, tenable for two years, for students who are natives of Eaglesham or Mearns, or who for two consecutive years have attended school in either of these parishes.

17. *Denny Bursary*, annual value £30, tenable for four years, for students from Dumbarton Burgh Academy. [Tenable in any Faculty.]

18, 19, and 20. *Three Fullarton of Overton Bursaries*, annual value £20 each, tenable for two years, for students under 25 years of age, from the district of Cunninghame, in Ayrshire. Subjects of Examination—Latin, Elementary Mathematics, and English.

21. *Hannay Bursary*, annual value about £15, tenable for three years, for students preparing for the Ministry of any Evangelical Religious Denomination in Scotland. Apply to Mr. Robert Brodie, 77 St. Vincent Street, before the first day of September.

22, 23, and 24. *Three Glasgow City Educational Endowments Bursaries*, annual value £25 each, tenable for four years, for students from public or State-aided schools in Glasgow. Apply to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, before the first day of September.

25, 26, 27, 28, and 29. *Five Hutchesons' Educational Trust Bursaries*, annual value £20 each, tenable for four years, for students who have attended two sessions in the secondary department of Hutchesons' Grammar School. Apply to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, before the first day of September.

30. *Alexander Laing Bursary*, annual value £20, tenable for three years. Preference, *ceteris paribus*, to natives of Brechin.

31 and 32. *Two James Laing Bursaries*, annual value £25 each, tenable for four years, for those who have been educated for at least three years in a school or schools in Stirlingshire. Apply to Mr. William Jenkins, Writer, Denny, before the first day of September.

33. *James Lochhead Bursary*, annual value £16, tenable for three years, for students of the name Lochhead, whose parents are members of the Established Church of Scotland.

34. *M'Culloch Bursary*, annual value £17, tenable for four years, for students who have been educated for not less than three years at any school or schools in Greenock.

35, 36, 37, and 38. *Four Marshall Trust Bursaries*, annual value £30 each, tenable for five years, for students from public or State-aided schools in Lanarkshire or Stirlingshire. Apply to Mr. Wm. Mitchell, 134 Wellington Street, Glasgow, before the first day of September.

39, 40, 41, 42, 43, 44, and 45. *Seven Orr Ewing (Dumbartonshire) Bursaries*, annual value £25 each, tenable for four years, open only to candidates under 17 years of age from public or State-aided schools



in the County or Presbytery of Dumbarton not having a secondary department.

46. *First Patrick Bursary*, annual value about £80, tenable for two years, for students from Renfrewshire.

47. *Pollock Bursary*, annual value £40, tenable for three years. Preference to candidates educated in Paisley.

48 and 49. *Two Ramsay-Walker Bursaries*, annual value £12 each, tenable for four years, for students preparing for the Ministry of the Established Church of Scotland. Preference to kin of founder; whom failing, to students of name of Walker; whom failing, to natives of Glasgow.

50. *Stewart Bursary*, annual value £15, tenable for four years, for students of the name Stewart or Simpson.

51. *James Thomson Philosophical Bursary*, annual value £11, tenable for two years. The subjects of examination are the same as for the Lorimer Bursaries, Nos. 57 and 58.

#### FOR STUDENTS ENTERING THE SECOND SESSION IN ARTS.

Nos. 2, 3, 4, 5, 6, 18, 19, 20, 50, in the preceding list.

52. *Park General Council*, annual value £20, tenable for two years—open.

53 and 54. *Two James A. Paterson Bursaries*, annual value £40 and £30 respectively, tenable for three years, for students preparing for the Ministry of the United Presbyterian Church. The subjects of examination are Greek and Hebrew.

#### FOR STUDENTS ENTERING THE THIRD SESSION IN ARTS.

55 and 56. *Two Lorimer Bursaries*, annual value £20, tenable for three years. The examination will take place along with the preliminary examinations in Mathematics for M.A., but may embrace higher papers.

57 and 58. *Two Lorimer Bursaries*, annual value £20, tenable for three years. Subjects of Examination—Professor Veitch's *Institutes of Logic, Part I.* (large print only); Descartes (English translation of 1879, or subsequent edition), *Introduction*, Sections I., II., III.; *Discourse on Method*; *Meditations*, I. and II.; Shaw's *English Literature* (Murray's Student's Manual), Chaps. IV., V., VI., VII., XI.; Shakespeare's *Julius Caesar*, as edited by Beeching (Longman's Falcon Series); Zeller's *Socrates and the Socratic Schools* (translated by Reichel), pp. 1-200.

59. *John Ferguson Jaffrey Bursary*, annual value £34, tenable for two years. The subjects of examination are the same as for the Lorimer Bursaries, Nos. 57 and 58.

#### FOR STUDENTS IN ARTS, WITHOUT RESTRICTION TO A PARTICULAR SESSION.

60. *James Ferguson Bursary*, annual value £80, tenable for two years, Preference, *cæteris paribus*, to natives of Lesmahagow, or Muirkirk, or Pictou, Nova Scotia, and also to students of the name Ferguson or Weir, or to the kin of the Founder. The examination is the same as that for honours in the department of Mental Philosophy, including English Literature.

61. *Monteith Bursary*, annual value about £14, tenable for three years. Open only to natives of Scotland and sons of Scottish parents. Examination in French.

62. *Muir Junior Bursary in Mathematics*, annual value £9, tenable for sessions 1894-95, 1895-96. The appointment will be determined by the results of the written examinations passed in the course of the session 1893-94 by the public students of the second class of Mathematics.

63. *Muir Senior Bursary in Mathematics*, annual value £18, tenable for session 1894-95. The appointment will be determined by the results of the written examinations passed in the course of the session 1893-94 by the public students of the Intermediate Honours Mathematical Class.

64 and 65. *Two Muir Bursaries in Civil Engineering and Mechanics*, annual value, £12 10s. each, tenable for session 1894-95.

#### FOR STUDENTS IN ARTS, OR LAW, OR MEDICINE.

66. *Macdonald Bursary*, annual value £14, tenable for four years, for miners under the age of 21 years. Examination in writing, arithmetic, geography, grammar, and history.

---

## 2.—FELLOWSHIPS, SCHOLARSHIPS, ETC.

67. *George A. Clark Scholarship in Classics*, annual value about £180, tenable for four years. Open to Glasgow Masters of Arts with Honours, or students presenting themselves for the M.A. Degree with Honours in Classics, but no student shall be eligible for the examination after the expiration of more than three winter sessions from the time of his completing the course necessary for the M.A. Degree.

68. *Eglinton Fellowship in Mental Philosophy*, annual value £100, tenable for three years. Open to Glasgow Masters of Arts who have graduated in April or November, 1893.

69. *Metcalf Fellowship*, annual value £100, tenable for three years. Open to Masters of Arts with Honours in Mathematics and Natural Philosophy, of not more than three years' standing.

70. *John Clark (Mile-end) Scholarship in Classics*, annual value £50, tenable for four years. Open to all Protestant students of good moral character, sons of Protestant parents, and who have completed their curriculum in Arts in Glasgow University.

71. *John Clark (Mile-end) Scholarship in Mental Philosophy*, annual value £50, tenable for four years. Open to all Protestant students of good moral character, sons of Protestant parents, and who have completed their curriculum in Arts in Glasgow University.

72. *John Clark (Mile-end) Scholarship in Mathematics and Natural Philosophy*, annual value £50, tenable for four years. Open to all Protestant students of good moral character, sons of Protestant parents, and who have completed their curriculum in Arts in Glasgow University.

73. *Breadalbane Scholarship*, annual value £50, tenable for three years. Open to Glasgow Masters of Arts or Bachelors of Science in the Department of Engineering Science who have graduated within a period of not more than three years preceding the competition.

74. *George A. Clark Scholarship in Natural Science*, annual value about £180, tenable for three years. Open to Glasgow Bachelors of Science in Pure Science, or students presenting themselves for the final examination for the B.Sc. Degree in Pure Science, but no student shall be eligible for the examination after the expiration of more than three winter sessions from the time of his completing the course necessary for the B.Sc. Degree.

75. *Snell Exhibition*, value about £133 a year, tenable for three years. Candidates must have been born in Scotland, or must be sons of fathers born in Scotland, and must "have resided as undergraduate students for two years at least in Glasgow College, or for one year in that College and two at least in some other College in Scotland."

76. *Armagh Bursary*, annual value £25, tenable for three years. Open to Masters of Arts in their first session of Theology, Law, or Medicine. The most distinguished graduate in Arts of the year, who offers himself as a candidate, is appointed by the Senate.

77. *Gladstone Historical Prize* of £21, open to graduates of Glasgow University of not more than two years' standing from the date of their first graduation.

78. *Thomas Logan Memorial Medal and Prize* will be awarded in November to the most distinguished graduate in Arts of the year.

#### DATES OF EXAMINATIONS.

The examinations for Bursaries Nos. 1 to 50 and 52 in the above list, will commence on Saturday, 30th September, at 10 a.m. The examination papers will be given in the following order, viz.:—

On Saturday, 30th September,		at 10 a.m., Latin (1st paper).
"	"	1 p.m., Latin (2nd paper).
"	"	3.30 p.m., Latin (3rd paper).
On Monday, 2nd October,		at 10 a.m., Mathematics.
On Tuesday, 3rd "		at 10 a.m., English (1st paper).
"	"	1 p.m., English (2nd paper).
On Wednesday, 4th "		at 10 a.m., Greek (1st paper).
"	"	12.30 p.m., Greek (2nd paper).

The examinations for Bursary No. 51, and for Bursaries Nos. 57 to 60 inclusive, will be held on Saturday, 21st October, Wednesday, 25th October, and Thursday, 26th October, at 10 a.m. each day; for Bursaries Nos. 53 and 54, on Thursday, 2nd November, and Friday, 3rd November, at 10 a.m. each day; for Bursaries Nos. 55 and 56, on Monday, 1st October, at 10 a.m. and 2 p.m.; for Bursary No. 61, on Saturday, 21st October, at 2 p.m. The examinations for the Bursary No. 66 will be held in October, on days to be announced hereafter.

The examinations for the Scholarships and Fellowships, Nos. 67 to 73 inclusive, in the above list, will be held along with the examinations for Honours in the several departments for the Degree of M.A., in October, 1893; for No. 74, along with the examinations for the Degree of B.Sc., in October, 1893; for Nos. 75, along with the examinations for Honours, in March and April, 1894, the English paper being taken on Saturday, 31st March, at 10 a.m.; and for the Prize No. 77 in January, 1894.

## DATES FOR SENDING IN APPLICATIONS.

Candidates for the Bursaries Nos. 1 to 56 inclusive and No. 66 are required to give in their names to the Assistant Clerk (Matriculation Office), not later than Thursday, 14th September; and for Bursaries Nos. 57 to 61, not later than Monday, 2nd October. A schedule, which is to be filled up by each candidate, may be obtained from the Assistant Clerk (Matriculation Office). Candidates for the Bursary No. 21 must, besides, give in their names to Mr. Robert Brodie, 77 St. Vincent Street, before the first day of September; for Nos. 22 to 29 to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, before the first day of September; for Nos. 31 and 32, to Mr. William Jenkins, Writer, Denny, before the first day of September; for Nos. 35 to 38, to Mr. William Mitchell, 134 Wellington Street, before the first day of September.

Candidates for the Fellowships, etc., Nos. 67 to 73 inclusive, are required to give in their names to the Assistant Clerk (Matriculation Office), not later than 2nd October; for No. 74, not later than 21st September; for No. 75 candidates are expected to inscribe their names in a book kept at the Clerk of Senate's Office for the purpose, not later than the 1st December, 1893; and for Nos. 76 and 77, candidates are required to send their names to the Assistant Clerk (Matriculation Office) on 1st December, 1893.

## B.—FACULTY OF DIVINITY.

*Open to Competition during Session 1893-94.*

1. *John Adam Bursary*, annual value £15, tenable for the Divinity Course. Open to students of Theology of the first year.

2. *Black Bursary*, annual value £42, tenable for three years. Open to students of Theology of the first year holding a Degree in Arts of any Scottish University, or who have passed their examinations in any two departments for graduation in Arts. Candidates must be members of the Established Church of Scotland.

3. *Logan Bursary*, annual value £16, tenable for three years. Open to students of Theology of the first year, with a preference, *ceteris paribus*, to the names Logan and Johnstone.

4 and 5. *Two Lorimer Bursaries*, annual value £20, each tenable for three years. Open to Students entering the Divinity Hall.

6. *Marshall Bursary*, annual value £17, tenable for four years. Open to students of Theology of the first year, with a preference to the name Marshall.

7. *William Muir Divinity Bursary*, annual value £25, tenable for two years. Open to candidates who have passed the examination of the Synodical Board for entrance to the Divinity Hall of the University. Apply to Mr. W. H. Macdonald, Hutchesons' Buildings, Ingram Street, not later than 27th October.

8. *Notman Bursary*, annual value £17, tenable in the Divinity Course.

9. *John Ross, Jun., Bursary*, annual value £36, tenable for three years. Open to students of Divinity of the first year preparing for the ministry of the Church of Scotland.

10. *Black Theological Fellowship*, annual value £147 or thereby, tenable for two years. Open to Masters of Arts from any of the Uni-



versities of Scotland who shall complete the ordinary curriculum of Theological study in the University of Glasgow in 1894, or who have completed it in any of the three preceding years.

11. *The Findlater Scholarship Prize*, value about £38 sterling, for an examination in Hebrew, New Testament Exegesis, and Apologetics. Open to Divinity students who have completed the ordinary course in Session 1892-93, or who shall complete it in Session 1893-94.

12. *The Jamieson Prize*, value about £10 sterling, for an examination in Hebrew, New Testament Exegesis, and Apologetics. Open to Divinity students who have completed the ordinary course in Session 1892-93, or who shall complete it in Session 1893-94.

13. *The Macfarlan and Cook Testimonial Prize*, of £21, open to Theological students of three years' standing. Examination in Greek, Moral Philosophy, Hebrew, Church History, and Divinity.

14 and 15. *Two Dowanhill Prizes*, one of £21, and the other of £10 10s., for Elocution. Open to students of Divinity of the third year.

#### DATES AND SUBJECTS OF EXAMINATIONS.

The Examinations for Nos. 1 to 12 inclusive, in the above list, will be held on Thursday, 2nd November, and Friday, 3rd November, at 10 a.m. each day.

The following are subjects of examination for Bursaries Nos. 1 to 9:—  
LATIN.—Cicero, *De Natura Deorum*. Horace, *Odes*, Book II. Translation from English into Latin.

GREEK.—Homer, *Iliad*, Book XVIII. The First Epistle to the Corinthians.

LOGIC.—Jevons, *Elementary Lessons in Logic*.

MORAL PHILOSOPHY.—Sidgwick, *Outlines of the History of Ethics*—Introduction and Chapters I. and IV.

ENGLISH.—Morley, *First Sketch of English Literature*, Chapter XIII.

MATHEMATICS.—Euclid, Books I., II., III. Algebra, to Quadratic Equations, inclusive.

NATURAL PHILOSOPHY.—Balfour Stewart, *Elementary Physics*, Books I., II., and VII.

The subjects of examination for Prizes Nos. 11 and 12 are the same as for the *First Department* of the Degree of Bachelor of Divinity.

The subjects of examination for the Prize No. 13 for Session 1893-94 are as follows:—

GREEK.—Mark i. 1-viii. 26. Sophocles, *Electra*.

DIVINITY.—Doctrine of Christ's Person and Work. Biblical Theology.—Discourses in Book of Acts and First Epistle of Peter.

HEBREW.—Genesis xxvi.-l. (Text and Exegesis); Isaiah li.-lxvi. and Psalms lix.-lxxii. (Text, Exegesis, and Introduction).

CHURCH HISTORY.—Post-Reformation Period (1516-1647).

MORAL PHILOSOPHY.—Ferrier, *Lectures on Greek Philosophy*.

The subjects of Examination for the Fellowship, No. 10, are the subjects in the *First Department* for B.D. together with the following:—

1. (a) HEBREW.—Hosea and Amos, (b) SYRIAC.—Rödiger's *Chrestomathy*, I.-VIII. and XVIII.;

2. NEW TESTAMENT EXEGESIS.—Introduction to and Exegesis of the Epistle to the Ephesians.



## DATES FOR SENDING IN APPLICATIONS.

Candidates for Nos. 1 to 12 inclusive, are required to give in their names to the Assistant Clerk (Matriculation Office), not later than 27th October, 1893; and for the Prizes Nos. 14 and 15, to the Professor of Divinity, not later than 20th March, 1894.

## C.—FACULTY OF LAW.

*Merchants' House Bursary*, annual value £25, tenable for three years, open to students of the first year in Law. Competitors are required to give in their names to the Assistant Clerk (Matriculation Office), not later than Thursday, 14th September, and also to the Clerk of the Merchants' House, not later than 1st September. The Examinations will be held on 30th September, 2nd October, and two following days, beginning at 10 a.m. on each day.

*Andrew Cunninghame Scholarship*, annual value about £32, tenable for two years, will be awarded in November, 1893, to the most distinguished Bachelor of Laws of the year, special consideration being given to eminence in Scots Law.

For the Armagh, the James Ferguson, and the Macdonald Bursaries, see Nos. 76, 60, and 66 under Faculty of Arts.

## D.—FACULTY OF MEDICINE.

1. *Mackintosh Bursary*, annual value about £30, tenable for one year, open to medical students who have attended the Lectures on Insanity.

2 and 3. *Lorimer Bursaries*, annual value £20, tenable for three years, open to medical students entering on their second session.

4. *Rainy Bursary*, annual value £20, tenable for two years, open to students entering on their third session of medical study.

5. *Macfarlane Bursary*, annual value about £40, tenable for three years, open to medical students entering on their second session.

6. *Logan Bursary*, annual value £15, tenable for four years. Candidates are required to undergo the Competitive Examination in Arts subjects for Bursaries held at opening of session.

7. *James A. Paterson Bursary*, annual value £30, tenable for four years, open to students entering on their second session of medical study. Examination in Mathematics and Natural Philosophy.

8. *John Monteith Bursary*, annual value about £20, tenable for two years, will be awarded in November to the student who gains the highest number of marks in Anatomy and Physiology in April and October, 1893.

9. *Andrew Weir Bursary*, annual value £18, tenable for one year, will be awarded in November in accordance with results of Second and Third Professional Examinations.

10. *Junior Arnott Prize*, of about £15, for an examination in General Physics, open to students of the first and second years of their medical studies.

11. *Senior Arnott Prize*, of £25, for an examination in Physiological Physics, open to students of the third and fourth years of their medical studies.

12. *Brunton Memorial Prize*, of about £10, is given to the most distinguished graduate in medicine of the year.

#### DATES OF EXAMINATIONS.

The Examinations for the Bursary No. 1 in the above list will be held early in July; for Nos. 2 to 5 inclusive, on Monday and Tuesday, 9th and 10th October, at ten A.M. each day; for No. 6, on Saturday, 30th September, Monday, 2nd October, and two following days; for No. 7, on Friday and Saturday, 27th and 28th October, at ten A.M. each day; and for the Prizes Nos. 10 and 11, on Saturday, 28th October, at two P.M.

#### DATES FOR SENDING IN APPLICATIONS.

Candidates for the Bursary No. 1 are required to give in their names to the Assistant Clerk (Matriculation Office), not later than 15th June; for Bursaries 2 to 6 inclusive, not later than 14th September; for Bursary No. 7, and for Prizes 10 and 11, not later than 2nd October.

### 5.—UNIVERSITY PRIZE ESSAYS.

#### FOR SESSION 1893-94.

1. In THEOLOGY, the CLELAND GOLD MEDAL, for the Best Essay on "Agnosticism." All Students of Divinity in Session 1892-93, or 1893-94, may be Competitors.

2. In NATURAL PHILOSOPHY, the CLELAND GOLD MEDAL, for the Best Essay on "The Relation between Measurements of Electrostatic and Electromagnetic Units." All Students of the Natural Philosophy Class in Session 1892-93, or Session 1893-94, may be Competitors. [Essays may be given in as late as 1st March, 1894.]

3. In MENTAL PHILOSOPHY, the UNIVERSITY SILVER MEDAL, for the Best Essay on "The Relations between Poetry and Philosophy." All Students of the Classes of Logic, Moral Philosophy, or English Literature, in Session 1892-93, or 1893-94, may be Competitors.

4. The GARTMORE GOLD MEDAL, for the Best Essay on "Payment of Members of Parliament." All Matriculated Students of the University in Session 1893-94 may be Competitors.

5. A WATT PRIZE OF TEN POUNDS, for the Best Essay on "Recent Experimental Investigations upon the Efficiency of Steam Engines." For the Watt Prize all Matriculated Students of the University in Session 1893-94, who have finished, or who, at the close of Session 1893-94, shall finish a regular course of Languages and Philosophy, may be Competitors. [Essays may be given in as late as 1st March, 1894.]

6. A COULTER PRIZE OF FIVE POUNDS, for the Best Essay on "The Ethics of Shakespeare."

7. A COULTER PRIZE OF FIVE POUNDS, for the Best Latin Essay on "The Influence of Geographical Conditions upon the Development of Ancient Italian History."

For the Coulter Prizes all Matriculated Students of the University in Session 1893-94 may be Competitors.

8. The RAE WILSON GOLD MEDAL, for the Best Essay on "The Essenes." All Students attending the Divinity Class in Session 1893-94 may be Competitors.

9. The HENDERSON PRIZE OF TWENTY GUINEAS, for the Best Essay on "The Influence of the Sabbath on the Political and Social Life of the Jews in pre-Christian Times." All Matriculated Students of the University in Session 1893-94 may be Competitors.

10. The DOBBIE-SMITH GOLD MEDAL, for the Best Essay on any Subject within the limits of the Science of Botany. The treatment of the subject to show original work, and the Essay to be accompanied by an illustrative series of Macroscopic and Microscopic Specimens. All Matriculated Students of Session 1893-94, or of the preceding Summer Session, may be Competitors.

The Essays, with the exceptions noted above, must be given in to the Principal on or before Tuesday, 14th November, 1893, after which day none can be received. Each must be distinguished by Two Mottoes, and accompanied by a sealed letter bearing on the outside the same Mottoes, and containing a declaration subscribed by the author that the Essay is entirely of his own composition. All quotations in the Essays must be carefully marked, and accurate references to their respective authorities given in the notes. The Senate reserves the power of withholding the Prize for any subject, if none of the Essays on that subject reaches a sufficiently high standard of merit.

# IX.—HONOUR LIST.

LIST OF NAMES OF GENTLEMEN WHO HAVE TAKEN DEGREES  
WITH HONOURS SINCE THE YEAR 1836.

## MASTERS OF ARTS (M.A.)

				<i>Class of Honours and Department.</i>			
				Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1836	John Cunningham,	Scotland,	...	...	I	...	...
"	William Fulton,	do.,	II	II	...	...	...
1837	Richard Shaen,	England,	...	...	II	...	...
"	Thomas E. Richardson,	do.,	...	...	II	...	...
"	John Blair,	Ireland,	...	...	II	...	...
"	William Cuthel,	Scotland,	...	...	II	...	...
1840	Duncan H. Weir,	do.,	...	...	II	...	...
"	James Thomson,	do.,	...	...	II	...	...
"	John Buchanan,	do.,	...	...	II	...	...
1841	John D. Morell,	England,	II	II	...	...	...
"	William Arthur Jones,	Wales,	II	II	...	...	...
1842	Alexander Grierson,	Scotland,	...	...	II	...	...
"	John Davies,	England,	II	II	...	...	...
1843	Nathaniel Haycroft,	do.,	II	II	...	...	...
"	John Trafford,	do.,	II	II	...	...	...
"	David Duff,	Scotland,	...	...	II	...	...
1844	John Morgan,	do.,	...	...	II	...	...
"	John Thomson,	do.,	...	...	II	...	...
"	William T. Ker,	do.,	...	...	II	...	...
"	Richard Tomlinson,	England,	II	II	...	...	...
"	David M'Lauchlan,	Scotland,	II	II	...	...	...
1846	Robert Graham,	do.,	...	...	II	...	...
1847	William John Steele,	Ireland,	...	...	II	...	...
"	James Porter,	do.,	...	...	II	...	...
1848	Adam Milroy,	Scotland,	II	II	...	...	...
"	Walter D. Jeremy,	England,	II	II	...	...	...
1849	John Ker,	Scotland,	...	...	I	...	...
"	George M'Queen,	do.,	...	...	I	...	...
"	Henry Martyn Barker,	England,	I	I	...	...	...
"	John Newton Langley,	do.,	I	I	...	...	...
1850	Alexander Walker,	Scotland,	II	II	...	...	...
"	Horatio Lindsay Taplin,	England,	II	II	...	...	...
"	Robt. Masters Theobald,	do.,	II	II	...	...	...
1851	Carstairs Douglas,	Scotland,	...	...	II	...	...

			Class of Honours and Department.			
			Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1851	Daniel Davies Jeremy,	England,	II	II	...	...
1852	Thomas Logan,	Scotland,	...	...	II	...
"	James Wylie Johnston,	do.,	II	II	...	...
1853	Chas. Abercromby Smith,	do.,	...	...	I	...
"	William Jack,	do.,	...	...	I	...
"	Edward Gibbs,	England,	I	I	...	...
1856	James Galbraith,	Scotland,	...	...	II	...
"	John Murray,	do.,	...	...	II	...
1857	Joseph D. Everett,	England,	II	II	I	...
"	George M. Grant,	Nova Scotia,	...	I	...	...
"	David Herbert,	Scotland,	...	II	...	...
"	Neil M'Pherson,	do.,	II	II	...	...
1858	William R. Pattison,	do.,	II	II	...	...
"	John Weir,	do.,	...	II	...	...
1859	Robert Whyte,	do.,	...	II	...	...
1860	George Porter,	do.,	II	II	...	...
"	Joseph Gardner,	do.,	...	II	...	...
"	Walter Roberts,	do.,	...	II	...	...
1861	Richard Vary Campbell,	do.,	...	I	...	...
"	Daniel Munro,	do.,	II	...	...	...
"	Peter Sinclair Menzies,	do.,	II	...	...	...
1862	John M'Lean,	do.,	II	II	...	...
"	Thomas Carruthers	do.,	II	II	...	...
"	William Stewart,	do.,	II	II	...	...
"	George Mathieson,	do.,	...	II	...	...
"	Henry W. Bell,	India,	...	II	...	...
"	John Ferguson,	Scotland,	...	...	...	I
1863	David Thomas,	do.,	...	II	...	...
1866	John Mann,	do.,	I	...	...	...
"	John Fergusson,	do.,	...	II	...	...
1867	William E. Grigsby,	England,	II	...	...	...
"	James Smith,	Scotland,	...	...	I	...
"	William Ross,	do.,	...	...	II	...
1868	Robert Stewart,	do.,	...	I	...	...
"	John Wilson,	do.,	...	I	...	...
1869	Favour James Greg,	do.,	...	I	...	...
"	Adam Semple,	do.,	...	I	...	...
"	Joseph Loudon,	do.,	...	...	II	...
"	James M'Intosh,	do.,	...	I	...	...
1870	John Cross,	U. S. A.,	I	I	...	...
"	Matthew M. Dickie,	England,	II	I	...	...
"	James Orr,	Scotland,	...	I	...	...
"	Robert A. Sinclair,	do.,	...	II	...	...
"	James D. H. Dickson,	do.,	...	...	II	...
"	Dugald M'Kichan,	do.,	...	...	II	...



*Class of Honours and Department.*

			Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1871	William S. Fleck,	Scotland,	...	I	...	...
"	William Oliver,	Wales,	...	II	...	...
"	John E. H. Thomson,	Scotland,	...	II	...	...
"	Colin R. M'Clymont,	do.,	...	I	...	...
"	Charles S. Dickson,	do.,	...	II	II	...
1872	William Hamilton,	do.,	...	I	...	...
"	John Watson,	do.,	...	I	...	...
"	Zachary M. H. Ross,	do.,	...	II	...	...
"	Archibald Russell,	do.,	...	II	...	...
"	William G. Miller,	do.,	...	...	II	...
"	John M. Brown,	do.,	...	I	...	...
"	Alexander S. Macphee,	do.,	...	I	...	...
"	James C. MacTaggart,	do.,	...	...	I	...
"	James Henderson,	do.,	...	...	II	...
1873	William Bathgate,	do.,	I	...	...	...
"	John M'Cunn,	do.,	...	I	...	...
"	T. Lindsay Galloway,	do.,	...	...	I	...
"	David Hunter,	do.,	II	I	...	...
"	Robert Harvey,	do.,	I	...	...	...
"	Thomas H. Miller,	do.,	...	...	I	...
"	Buchanan Blake,	do.,	...	II	...	...
"	James Arthur,	do.,	...	...	II	...
1874	James Bonar,	do.,	I	I	...	...
"	James G. Frazer,	do.,	I	...	...	...
"	Alexander F. Fraser,	do.,	...	I	...	...
"	John Wilson Reid,	do.,	I	...	II	...
"	Colin Campbell,	do.,	II	I	...	...
"	James Thomson,	do.,	...	I	...	...
"	Hugh Hart Currie,	do.,	II	...	...	...
"	James MacKay,	do.,	II	...	...	...
1875	Benj'n F. C. Costelloe,	Ireland,	II	I	...	...
"	William Yuill King,	Scotland,	I	...	...	...
"	William Patrick,	do.,	...	I	...	...
"	John Patrick,	do.,	II	...	...	...
"	James S. Russell,	do.,	...	...	I	...
"	John C. Watt,	do.,	...	...	I	...
"	John B. Douglas,	England,	II	...	...	...
"	Neil D. MacLachlan,	Scotland,	...	II	...	...
"	James Johnston Dobbie,	do.,	...	...	...	I
1876	James Lambie,	do.,	...	I	...	...
"	Ebenezer B. Speirs,	do.,	...	I	...	...
"	Islay F. Burns,	do.,	II	...	...	...
"	Robert MacLehose,	do.,	...	II	...	...
"	Joseph Conn,	do.,	...	...	II	...
"	Robert H. Pinkerton,	do.,	...	...	II	...

			<i>Class of Honours and Department.</i>			
			Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1876	David Wilson,	Scotland,	...	...	II	...
"	John P. Mitchell,	do.,	...	I	..	...
"	William M. Rankin,	do.,	...	I	...	...
"	Andrew Gray,	do.,	...	...	II	...
1877	Wallace M. Lindsay,	do.,	I	II	...	...
"	Alexander S. Wilson,	do.,	...	...	...	I
"	James Kidd,	do.,	...	I	...	..
"	Thomas B. Kilpatrick,	do.,	...	I	...	...
"	Mungo W. McCallum,	do.,	...	II	...	...
"	William Allan,	do.,	...	...	II	...
"	James Arthur,	do.,	...	...	II	...
1878	Robert Mackintosh,	do.,	II	I	...	...
"	John Edgar,	do.,	I	...	...	...
"	John M. Dodds,	do.,	...	...	I	...
"	David W. Forrest,	do.,	...	II	...	...
"	Alexander Isdale,	do.,	...	I	...	...
"	Lewis A. Muirhead,	do.,	...	I	...	...
"	James Wilson,	do.,	II	...	II	...
1879	John Wilson Marshall,	do.,	I	II	...	...
"	Francis Wm. Clark,	do.,	II	II	...	...
"	Henry Jones,	Wales,	...	I	...	...
"	William T. Bankhead,	Scotland,	...	II	...	...
"	Andrew Rutherford,	do.,	...	II	...	...
"	James Thomson,	Ireland,	...	...	II	...
"	James Denney,	Scotland,	I	I	...	...
"	James Kippen Duff,	do.,	I	...	...	...
"	Robt. Tannahill Younger,	do.,	..	II	...	...
"	William L. Macindoe,	do.,	...	...	II	...
1880	Alexander Gregory,	do.,	II	...	...	...
"	Thomas Gregory,	do.,	I	I	I	...
"	Alexander N. Cumming,	do.,	II	II	...	...
"	Hugh Young Reyburn,	do.,	II	II	...	...
"	John G. A. Dow,	do.,	II	...	...	...
"	John Henderson,	do.,	...	II	...	...
1881	Cecil J. Swan,	do.,	II	...	...	...
"	Francis H. Stead,	England,	II	I	...	...
"	David S. Adam,	Scotland,	...	I	...	...
"	William Granger,	do.,	...	I	...	...
"	Robt. F. Muirhead, B.Sc.,	do.,	...	...	I	...
"	Alexander Russell,	do.,	...	...	I	...
"	Patrick H. Aitken,	do.,	II	...	...	...
"	Alexander Anderson,	do.,	II	...	...	...
"	Robert T. Loudon,	do.,	...	II	...	...
"	Robert Veitch,	England,	...	II	...	...

			<i>Class of Honours and Department.</i>			
			Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1881	James MacLay,	Scotland,	...	...	II	...
"	John Stuart,	do.,	...	...	II	...
"	James Hamilton,	do.,	...	...	II	...
1882	James A. M'Callum,	do.,	...	I	...	...
"	John H. Fullarton,	do.,	...	...	...	I
"	Charles P. Blair,	do.,	...	II	...	...
"	James M. Dodds,	do.,	I	...	...	...
"	John S. MacKenzie,	do.,	...	I	...	...
"	William Smart,	do.,	...	I	...	...
"	John Weir,	do.,	...	...	I	...
"	John Gray,	do.,	...	II	...	...
"	Charles Steele,	do.,	...	II	...	...
1883	John Aitken Orr,	do.,	...	I	...	...
"	Alexander Robinson,	do.,	...	II	...	...
"	Lewis Hughes,	Wales,	...	II	...	...
"	Francis Anderson,	Scotland,	...	I	...	...
"	Wm. S. M'Kechnie,	do.,	...	I	...	...
"	William Muir,	do.,	...	I	...	...
"	James W. Inglis,	do.,	II	...	...	...
"	Patrick H. Hutchinson,	Ireland,	II	...	...	...
"	Robert A. Moody,	Scotland,	II	...	...	...
"	William T. Mitchell,	do.,	...	...	II	...
1884	Andrew A. Mitchell,	do.,	I	...	...	...
"	James M'Millan,	do.,	I	...	...	...
"	Archd. S. Laidlaw,	do.,	...	I	...	...
"	John Mack,	do.,	...	...	I	...
"	William Clark,	do.,	II	...	...	...
"	John Struthers,	do.,	II	I	...	...
"	Archibald M'Laren,	do.,	I	...	...	...
"	John Adams,	do.,	...	I	...	...
"	James Barr,	do.,	...	I	...	...
"	Gavin Lambie,	do.,	...	I	...	...
"	Robert M. Wenley,	do.,	...	I	...	...
"	George G. Henderson,	do.,	...	...	...	I
"	Campbell N. Moody,	do.,	II	II	...	...
"	Hugh Stevenson,	do.,	...	II	...	...
"	James Strachan,	do.,	...	...	II	...
"	Alex. B. Symington,	do.,	II	...	...	...
1885	John Lee,	do.,	I	...	...	...
"	James Buchanan,	do.,	...	...	I	...
"	Norman Fraser,	do.,	...	...	I	...
"	James P. M'Laren,	do.,	II	...	...	...
"	William Binnie,	do.,	...	II	...	...
"	David Frew,	do.,	...	II	...	...
"	Richard Glaister,	do.,	...	II	...	...
"	David Houston,	do.,	...	II	...	...

			Class of Honours and Department.			
			Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1885	Walter Wingate,	Scotland,	...	...	II	...
"	William M. Mackay,	do.,	...	I	...	...
"	Andrew F. Smith,	do.,	...	I	...	...
"	Alex. L. Watson,	do.,	II	...	...	...
"	Archibald J. Macnicol,	do.,	...	...	II	...
1886	Charles F. Fleming,	England,	...	I	...	...
"	Wellstood A. Watt,	Scotland,	...	I	...	...
"	John Dougall,	do.,	...	...	I	...
"	John M'Cowan, B.Sc.,	do.,	...	...	I	...
"	William H. Carslaw,	do.,	...	...	II	...
"	Magnus M'Lean,	do.,	...	...	II	...
"	John A. Cramb,	do.,	I	...	...	...
"	Robert A. Duff,	do.,	...	I	...	...
"	William Johnston,	do.,	...	II	...	...
"	James Macmillan,	do.,	...	...	II	...
"	Robert A. Nicolson,	do.,	...	...	II	...
1887	James Finlayson,	do.,	...	...	II	...
"	James Gifford,	do.,	...	II	...	...
"	Charles Mackay Gordon,	W. Indies	...	I	...	...
"	David Smith,	Scotland,	I	...	...	...
"	John Watson Bryson,	do.,	...	I	...	...
"	Robert Gardner,	do.,	...	II	...	...
"	James Gilfillan,	do.,	...	I	...	...
"	Daniel Kirkwood,	do.,	...	II	...	...
"	Alexander Lucas Taylor,	do.,	II	...	...	...
"	John Thomson,	do.,	...	...	II	...
1888	John Esslemont Adams,	do.,	II	...	...	...
"	Archibald Lamont,	do.,	...	II	...	...
"	Arthur David Millar,	do.,	I	...	...	...
"	John Dickson Sinclair,	do.,	...	II	...	...
"	Evan Keri Evans,	Wales,	...	I	...	...
"	Robert Kennedy, B.Sc.,	Scotland,	...	...	...	I
"	John Liddle King,	do.,	...	II	...	...
"	Malcolm Macnicol,	do.,	...	...	II	...
"	Ernest Findlay Scott,	England,	I	I	...	...
"	Robert Scrymgeour,	Scotland,	...	I	...	...
"	Robert Reid Strachan,	do.,	...	II	...	...
"	John Cunningham Walker,	do.,	...	II	...	...
1889	Norman de Garis Davies,	England,	...	II	...	...
"	George Davidson Kempt,	Scotland,	...	II	...	...
"	Alfred Ernest Garvie,	Poland,	...	I	...	...
"	John Hunter Harley,	Scotland,	...	I	...	...
"	John Brownlee,	do.,	...	...	I	...
1890	James Fairlie Gemmill,	do.,	I	...	...	...
"	John Edgar M'Fadyen,	do.,	I	...	...	...
"	James Robertson Cameron,	do.,	...	I	...	...

			<i>Class of Honours and Department.</i>			
			Classics.	Mental Philosophy.	Mathematics & Nat. Phil.	Natural Science.
1890	James Moffatt,	Scotland,	II	...	...	...
,,	James Peter Wilson,	do.,	II	...	...	...
,,	John Easton Black,	do.,	...	II	...	...
,,	George Douglas Brown,	do.,	I	...	...	...
,,	Robert Bulloch Douglas,	do.,	...	I	...	...
,,	Peter Pinkerton,	do.,	...	...	I	...
,,	Douglas Blyth Binning,	do.,	...	II	...	...
,,	Robert Baillie Douglas,	do.,	...	II	...	...
,,	James Hair Maclean,	do.,	...	II	...	...
,,	Gilbert Buchanan,	do.,	..	...	II	...
,,	Alexander Holm,	do.,	...	...	II	...
1891	John Hamilton Pagan,	do.,	I	...	...	...
,,	John Gillies,	do.,	II	...	...	...
,,	John M'Gilchrist,	do.,	II	...	...	..
,,	Horatio Scott Carslaw,	do.,	...	...	I	...
,,	James Holm,	do.,	...	...	I	..
,,	Nicol Macnicol,	do.,	II	II	...	...
,,	John White,	do.,	...	II	...	...
1892	David Donaldson Robertson,	do.,	...	I	...	...
,,	Daniel Lamont,	do.,	...	II	I	...
,,	John Gillespie Spens,	do.,	II	...	...	...
,,	Alexander Taylor,	do.,	II	...	...	...
,,	Walter Stewart,	do.,	...	..	I	...

## BACHELORS OF SCIENCE (B.Sc.).

			<i>Honours.</i>	
			Natural Science.	Engineering Science.
1879	Robert F. Muirhead, C.E.,	Scot.,		Math. & Nat. Phil. II
1882	John Cleland, C.E.,	Scotland,		Math. & Nat. Phil. II
1883	John M'Cowan, C.E.,	do.,		Math. & Nat. Phil. II
1884	William Weir,	do.,		Math. & Nat. Phil. II
,,	James C. Todd,	India,	Math. & Nat. Phil. II	
1886	Laurence Crawford,	Scotland,		Math. & Nat. Phil. I
1887	Angus M'Lean,	do.,		Math. & Nat. Phil. II
1890	James Stanley Muir,	do.,	Chemistry.	
,,	Robert Watson Smith,	do.,	Chemistry.	
1891	James Fenwick,	Australia,		Civil Engineering.
,,	Robert Main,		Chemistry.	
,,	Robert Muir Ferrier,			Civil Engineering.
1892	John Dewar Cormack,			Math. & Nat. Phil. I
,,	James Blacklock Henderson,			Civil Engineering.
,,	James Rankin,			Math. & Nat. Phil. I
,,	William S. Cook,		Zoology and Botany.	
,,	David R. Boyd,		Physiology.	
			Chemistry.	



## DOCTORS OF MEDICINE (M.D.). (O. R.) HONOURS.

1845	Alexander Lindsay,	Scotland.	1853	Richard Stanistreet,	Ireland.
"	James Craigie Murray,	do.	"	David Knox,	do.
"	Francis Reynolds,	Ireland.	1854	John Lindsay Stewart,	Scotland.
"	John Brown,	Scotland.	"	James Fraser Paton,	do.
"	John Gardiner,	do.	"	David Easton,	Ireland.
"	Donald Cameron,	Isle of Man.	1855	William Leishman,	Scotland.
"	Adam Nicholson,	Scotland.	"	William J. Lewis, New Brunswick.	
"	John Duke,	Ireland.	"	Alexander Robertson,	Scotland.
1847	William Parry,	Wales.	1857	Thomas Beaumont,	Ireland.
"	Robert Livingstone,	Scotland.	"	Joseph M. Fleming,	Scotland.
"	Alexander B. Sharpe,	Scotland.	"	Maxwell Rodgers,	Ireland.
1848	Charles H. Hitchen,	England.	1858	John Couper,	Scotland.
"	James Steven,	Scotland.	"	Thomas M'Call Anderson,	do.
"	John Coates,	Ireland.	1859	Daniel Dougal,	do.
1849	Robt. Brown M'Clelland,	Ireland.	1861	William Marshall,	America.
"	Thomas Nicholson,	Scotland.	"	John M. Murray,	Scotland.
"	Robert Settle,	England.	1862	James A. Allan,	do.
"	Richard Thomas Tracy,	Ireland.	1863	Robert M'K. Duncan,	do.
"	Matthew John Rae,	Scotland.	"	George M'Donald,	do.
1850	John Ternan,	Ireland.	"	Samuel J. Moore,	Ireland.
"	John Henry Eddowes,	England.	"	William Fraser,	Nova Scotia.
"	James Brash,	Scotland.	"	T. Algernon Chapman,	Scotland.
1851	Alexander Marshall,	do.	"	Algernon Wood Smith,	do.
"	Andrew Spearing,	Ireland.	"	John P. Atkinson,	England.
"	James B. Montgomery,	England.	1864	John Wyber,	Scotland.
"	Robert Perry,	Scotland.	"	J. G. Wilson, M.A.,	do.
"	John Watson, B.A.,	do.	1865	Arthur A. Jamieson,	England.
1853	John Ritchie Brown,	do.	1867	Fred. H. Quaife, M.A. Sydney, N.S.W.	
"	Charles D. Campbell,	Ireland.			

## DOCTORS OF MEDICINE (M.D.). (N.R.)

## COMMENDED FOR THESIS.

- 1876 Gardner, William, M.B., England.
- 1877 Turner, William Y., M.B., Scotland. Thesis, "The Ethnology of the Motu."
- 1879 Fleming, William James, M.B., Scotland. Thesis, "The Dicrotic Notch in Pulse Tracings."
- 1880 Oliver, Thomas, M.B., Scotland. Thesis, "Heredity viewed in its relation to Responsibility."
- 1880 Bryce, James, M.B., Scotland. Thesis, "That Mankind originated as a Common Family—most probably on a Continent in the Indian Ocean—certainly within the Tropics."
- 1881 Adams, James Alexander, M.B., Scotland. Thesis, "Anatomical Relation between Abscess of Brain and Aural Disease."
- 1881 Stewart, Alexander, M.B., Scotland. Thesis, "History of a Personal Attack of Typhoid Fever."
- 1881 Drummond, James, M.B., Scotland. Thesis, "Sea Sickness: its Etiology, Symptoms, and Treatment."
- 1881 Macphail, Donald, M.B., Scotland. Thesis, "Chemical Investigations on the Degenerative Changes in Diseased Bone."
- 1882 Cairns, David, M.B. Thesis, "An Outbreak of Pyæmia."
- 1882 Adam, Thomas Bate, M.B., Scotland. Thesis, "The Pathology and Etiology of Elephantoid Disease."

- 1882 Rankin, Guthrie, M.B., Scotland. Thesis, "Puerperal Fever."
- 1883 Inglis, David Wood, M.A., M.B., Scotland. Thesis, "On the Prevention of Lead Poisoning among Workers in White Lead Factories."
- 1883 Newman, David, M.B., Scotland. Thesis, "Displacements of the Kidney."
- 1884 Lawrie, J. Macpherson, M.B., Scotland. Thesis, "On some Symptoms of Locomotor Ataxy."
- 1884 Allan, Robert, M.B., Scotland. Thesis, "Dermoid Cysts."
- 1884 Middleton, George S., M.A., M.B., Scotland. Thesis, "On the Pathology of Pseudo-Hypertrophic Muscular Paralysis." Highly Commended.
- 1884 Steven, John Lindsay, M.B., Scotland. Thesis, "The Pathology of Suppurative Inflammations of the Kidneys." Highly Commended.
- 1885 Mackay, John Yule, M.B., Scotland. Thesis, "The Origin and Development of the Larger Arteries." Highly Commended.
- 1885 Macvie, William, M.B., Scotland. Thesis, "Atrophic Infantile Paralysis."
- 1885 Dougal, James, M.B., Scotland. Thesis, "Puerperal Pyrexia."
- 1886 Lawrie, William John, M.B., Scotland. Thesis, "Pathological Formations of the Skin."
- 1886 Somerville, William Francis, M.A., B.Sc., M.B., Scotland. Thesis, "Urosemiotic; the Pathological Chemistry of the Urine, the complete Quantitative Analysis of the Urine; a valuable aid to Clinical Diagnosis." Highly Commended.
- 1886 Stewart, Robert Sloss, M.B., Scotland. Thesis, "Observations on the Spinal Cord in the Insane." Highly Commended.
- 1886 Rankin, Alexander, M.B., Scotland. Thesis, "Cerebral Cases, with remarks."
- 1886 Auld, Alexander Gunn, M.B., Scotland. Thesis, "Studies in Materia Medica."
- 1887 Chalmers, Archibald Kerr, M.B., Scotland. Thesis, "The Temperature Curve of Specific Fevers."
- 1887 Neilson, Henry John, M.B., Scotland. Thesis, "On the observation of the pupil as a guide in the administration of Chloroform."
- 1887 Brown, John, M.B., Scotland. Thesis, "Maternal Impressions."
- 1887 Love, John, M.B., Scotland. Thesis, "Three cases of Cortical Epilepsy considered in relation to the localization of the discharging lesion."
- 1888 Finlay, David, M.B., Scotland. Thesis, "Clinical Observations on Epileptic Insanity."
- 1888 Love, James Kerr, M.B., Scotland. Thesis, "The Limits of Hearing."
- 1888 Macpherson, Charles, M.B., Scotland. Thesis, "Plural Pregnancies."
- 1888 Wallace, William, M.B., Scotland. Thesis, "The Field of Vision: with special reference to its Anomalies in Diseases of the Nervous System."
- 1889 Christie, William Walls, M.B., C.M., Scotland. Thesis, "The Outbreak of Febrile Disease in St. Mary's Roman Catholic Industrial Schools, Glasgow, March 1888: its Clinical Features and Nature."
- 1889 Kelly, James Kellock, M.B., Scotland. Thesis, "Private Obstetric Practice: an analysis of 3000 consecutive cases."
- 1889 Mackenzie, William James, M.B., India. Thesis, "The effects of the conditions of London Life on the Nervous System: with remarks on the treatment."
- 1889 Hinshelwood, James, M.A., M.B., Scotland. Thesis, "A Clinical Study of Syphilitic Diseases of the Nervous System."
- 1890 Anderson, John Alexander, M.B., Scotland. Thesis, "On Tetanus: with a record of six cases."
- 1890 Bankier, Alexander Milne, M.B., England. Thesis, "Influenza."
- 1891 Smith, John Macdowal, M.B., Scotland. Thesis, "The Disposal of Sewage and City Refuse."
- 1891 Rhodes, Hugh, M.B., C.M., England. Thesis, "Koch's Treatment in Phthisis and Lupus." With Honours.

1891. Bannatyne, Gilbert Alexander, M.B., C.M., Scotland. Thesis, "The Treatment of Diphtheria by the Injection of the Erysipelas Albumose."  
 1891. M'Gregor, Andrew Nicholson, M.B., C.M., Scotland. Thesis, "Some Notes on the Repair of Bone, with special reference to Transplantation and other Artificial Aids."  
 1891. Ramsay, Andrew Maitland, M.B., C.M., Scotland. Thesis, "Exophthalmic Goitre."  
 1891. Johnstone, John Carlyle, M.B., C.M., Scotland. Thesis, "Some Notes on the use of Sulphonal."  
 1892. Highet, Hugh, M.B., C.M., Scotland. Thesis, "The Bronchiopneumonia of Influenza, as it occurs in the Adult Subject."  
 1892. Park, Alexander Glen, M.B., C.M., Scotland. Thesis, "Defects of Speech."  
 1893. Lang, Hugh, M.B., C.M., Scotland. Thesis, "Empyema, with Notes on a Series of Cases."

### BACHELORS OF MEDICINE (M.B.). HONOURS.

1866	Robert W. Forrest,	Scotland.	1878	James Morton,	Scotland.
"	Henry T. Pringle,	do.	"	William Partington,	do.
1867	Ebenezer Duncan,	do.	"	Lawrence A. Waddell,	do.
"	Joseph Coats,	do.	1879	William K. Peden,	do.
"	James Finlayson,	do.	"	Ralph D. Stevenson,	Australia.
1868	Thomas Barr,	do.	1880	Andw. A. Hogarth, M.A.,	Scotland.
"	William MacLachlan,	do.	"	J. M'Gregor-Robertson, M.A.,	do.
"	Angus Macmillan,	do.	"	John Lindsay Steven,	do.
1869	James Coats,	do.	1881	John More Young, M.A.,	do.
1871	David Wilkie,	do.	1882	Robert Beith,	do.
"	John Aikman,	do.	1883	John Innes Dunlop,	do.
1872	John D. Macdonald,	do.	1884	Charles O. Hawthorne,	England.
"	Samson Gemmell,	do.	1886	Alexander Bryce,	Scotland.
1876	Geo. S. Middleton, M.A.,	do.	"	Wm. Snodgrass, M.A.,	U.S.A.
"	Richard B. Macpherson,	do.	"	John H. Carslaw, M.A.,	Scotland.
1877	Johan B. Knobel,	Africa.	1887	William MacLennan,	do.
"	Donald Macphail,	Scotland.	1891	Hugh Galt,	do.
"	John Carlyle Johnstone,	do.	"	Robert Currie Robertson, M.A.,	do.
"	Edward D. M. Mackellar,	do.	1892	John Morton,	Scotland.
1878	Alexander Fraser,	do.	"	James Carslaw, M.A.,	do.

### BRUNTON MEMORIAL PRIZE OF £10,

*Awarded to the most distinguished Graduate in Medicine of the year.*

1880. John Lindsay Steven, M.B., C.M.	1886. Alexander Bryce, M.B., C.M.
1881. John More Young, M.A., M.B., C.M.	1887. William MacLennan, M.B., C.M.
1882. Robert Beith, M.B., C.M.	1888. Landel Rose Oswald, M.B., C.M.
1883. John Innes Dunlop, M.B., C.M.,	1889. William Robert Jack, B.Sc., M.B., C.M.
1884. Charles Oliver Hawthorne, M.B., C.M.	1890. George Lamb, M.B., C.M.
1885. Andrew Wilson, M.B., C.M.	1891. Hugh Galt, M.B., C.M.
	1892. John Morton, M.B., C.M.

### THOMAS LOGAN MEDAL AND PRIZE,

*Awarded to the most distinguished Graduate in Arts of the year.*

1888. Ernest Findlay Scott, M.A.	1891. James Holm, M.A.
1889. Alfred Ernest Garvie, M.A.	1892. Daniel Lamont, M.A.
1890. John Edgar M'Fadyen, M.A.	

*X.—DEGREE AND PRIZE LIST.*

---

LIST OF DEGREES

CONFERRED IN THE VARIOUS FACULTIES AND OF PRIZES AND  
CERTIFICATES OF HONOUR AWARDED IN THE SEVERAL  
CLASSES OF THE UNIVERSITY DURING THE YEAR ENDING  
1ST MAY, 1893.

---

## DOCTORS OF DIVINITY (D.D.).

- Rev. Archibald Borland Cameron, B.D., College Street United Presbyterian Church, Edinburgh.  
 Rev. John Hunter, Trinity Congregational Church, Glasgow.  
 Rev. Archibald Robert Stirling Kennedy, B.D., Professor of Hebrew in the University of Aberdeen.  
 Rev. Pearson M'Adam Muir, Minister of Morningside Parish, Edinburgh.  
 Rev. William Patrick, B.D., St. Paul's Free Church, Dundee.  
 Rev. James Stewart, M.D., Lovedale, South Africa.
- 

## DOCTORS OF LAWS (LL.D.).

- Rev. Henry Montagu Butler, D.D., Master of Trinity College, Cambridge.  
 James Colquhoun, Writer, Glasgow, Assessor of Town Council in University Court.  
 John Kells Ingram, Senior Lecturer, Trinity College, Dublin.  
 Alexander Macalister, M.D., Fellow of St. John's College, Cambridge, and Professor of Anatomy in the University of Cambridge.  
 William Henry White, Director of Naval Construction and Assistant Controller of the Navy, Admiralty, London.  
 John Young, F.G.S., Under-Keeper of Hunterian Museum, Glasgow University.
- 

## BACHELORS OF DIVINITY (B.D.).

*November, 1892.*

- |                               |  |                        |
|-------------------------------|--|------------------------|
| David Ritchie Alexander, M.A. |  | James Barr, M.A.       |
|                               |  | William Metcalfe, M.A. |

*April, 1893.*

- |                                  |  |                          |
|----------------------------------|--|--------------------------|
| Hugh Young Arnott, M.A.          |  | Robert John Paul, M.A.   |
| David Bayne, M.A.                |  | John Sloan, M.A.         |
| William Stevenson Brownlee, M.A. |  | Gavin Warnock, M.A.      |
| John Buchanan Mackenzie, M.A.    |  | James Peter Wilson, M.A. |
- 

## BACHELORS OF LAWS (LL.B.).

*November, 1892.*

- |                              |  |                                   |
|------------------------------|--|-----------------------------------|
| Andrew Alston, M.A.          |  | Charles Frederick Pollock Fraser, |
| Robert Francis Barclay, M.A. |  | M.A.                              |
| Herbert Cameron Boyd, M.A.   |  | William Caird Kerr, M.A.          |

*April, 1893.*

John Dunn Allison, M.A.

William Hutchison, M.A., B.L.

Charles Herbert Brown, M.A.

Alexander Roderick Mackenzie, M.A.

David Ballingall Pattison, M.A.

## BACHELORS OF LAW (B.L.).

*November, 1892.*

Albert Taylor Watt, M.A.

*April, 1893.*

Arthur William Allan.

James Mungo Laird.

John Gunn.

Malcolm Duncan Macpherson, M.A.

William Benjamin Hodge, M.A.

David Norman Sloan.

John Hurl.

Robert George Slorach.

John Wyllie.

## DOCTORS OF MEDICINE (M.D.).

*July, 1892.*

## I.—WITH COMMENDATION.

Hugh Highet, M.B., C.M., Scotland. (*Thesis*—"The Bronchiopneumonia of Influenza, as it occurs in the Adult Subject.")Alexander Glen Park, M.B., C.M., Scotland. (*Thesis*—"Defects of Speech.")

## II.—ORDINARY DEGREE.

James Duncan, M.B., C.M., Scotland. (*Thesis*—"An Outbreak of Typhoid Fever: its Clinical Features and Treatment.")Peter Fraser, M.B., Scotland. (*Thesis*—"An Analysis of Ten Years' Medical Certificates of the Cause of Death.")Robert Alexander Morton, B.Sc., M.B., C.M., Scotland. (*Thesis*—"Hypnotism: with Special Reference to its Phenomena as manifested in Hysterical Subjects and its Application as a Therapeutic Agent.")James Muir, M.B., C.M., Scotland. (*Thesis*—"Diphtheria: its Pathology and Therapeutics as primarily a Local Disease.")James Fulton Muir, M.B., C.M., Scotland. (*Thesis*—"Typhus Fever.")John Stewart M'Conville, M.A., M.B., C.M., Scotland. (*Thesis*—"Chloroform Anæsthesia.")Alexander Shanks, M.B., C.M., Scotland. (*Thesis*—"Epilepsy: its Symptoms, Causes, and Modern Treatment.")John Pollock Simpson, M.B., C.M., Scotland. (*Thesis*—"Puerperal Eclampsia, with Illustrative Cases.")John Somerville, M.B., C.M., Scotland. (*Thesis*—"Sheffield Grinder's Disease.")William Callender Taylor, M.B., C.M., Australia. (*Thesis*—"Observations on Small-Pox and Vaccination, with Cases.")Andrew Stewart Tindal, M.B., C.M., Scotland. (*Thesis*—"The Treatment of Insomnia in Fevers.")*November, 1892.*Henry Leslie Graham Leask, M.B., C.M., Scotland. (*Thesis*—"Remarks on the Pathology of Puerperal Eclampsia.")John Rowat, M.B., C.M., Scotland. (*Thesis*—"Chill as a Cause and Symptom of Disease.")John Cockburn Syson, M.B., C.M., Scotland. (*Thesis*—"Cardiac Disease in Relation to Mental Symptoms: With Notes on the Hypnotic and Sedative Actions of Paraldehyde and Sulphonal.")



*April, 1893.*

I.—WITH COMMENDATION.

Hugh Lang, M.B., C.M., Scotland. (*Thesis*—"Empyema, with Notes on a Series of Cases.")

II.—ORDINARY DEGREE.

Robert Burns, M.B., C.M., Scotland. (*Thesis*—"Miners' Nystagmus.")

Malcolm Mackintosh, M.B., C.M., Scotland. (*Thesis*—"The Sewers, Sewage, and Sewer-men of London.")

Hugh Rodger Sloan, M.B., C.M., Scotland. (*Thesis*—"The Treatment of Enteric Fever by Carbolic Acid compared with the Ordinary Method.")

---

DOCTORS OF MEDICINE (M.D.)—OLD REGULATIONS.

*July, 1892.*

Robert Cook, L.R.C.S.Ed., Scotland. (*Thesis*—"The Abortive Treatment of Gonorrhœa.")

*November, 1892.*

Daniel M'Neill, L.F.P.S.G., Scotland. (*Thesis*—"The Etiology, Morbid Anatomy, and Therapeutics of Bronchoceles and Myxœdema.")

---

BACHELORS OF MEDICINE AND MASTERS IN SURGERY  
(M.B., C.M.).

*May, 1892.*

I. HIGH COMMENDATION.

William Clachan Allardice, Scotland.

William Young, Scotland.

II. COMMENDATION.

James Gray Duncanson, Scotland.

*July, 1892.*

I. HONOURS.

<sup>1</sup>John Morton, Scotland.

James Carslaw, M.A., Scotland.

II. HIGH COMMENDATION.

John M'Donald, M.A.,	Scotland.	Robert Bishop,	Scotland.
----------------------	-----------	----------------	-----------

John Paterson, M.A.,	"	Alexander Robert Ferguson, England.	
----------------------	---	-------------------------------------	--

Charles Wilson,	"	James Donald Rae Monro, M.A., Scot.	
-----------------	---	-------------------------------------	--

William Brodie Brodie,	Scotland.		
------------------------	-----------	--	--

III. COMMENDATION.

William Moffat Holmes,	Scotland.	Alfred Alexander Young, M.A., Scot.	
------------------------	-----------	-------------------------------------	--

Robert Taylor,	"	Hugh Kerr, M.A.,	Scotland.
----------------	---	------------------	-----------

John Don, M.A.,	"	William Limont Brown,	"
-----------------	---	-----------------------	---

Hamilton Clelland Marr,	"	William John Richard, M.A.,	"
-------------------------	---	-----------------------------	---

William M'Walter,	"	William Robertson,	"
-------------------	---	--------------------	---

Leonard Alfred Rowden, England.

<sup>1</sup> Mr. Morton gained the Brunton Memorial Prize of Ten Pounds, awarded to the most distinguished Graduate in Medicine of the year.

## IV. ORDINARY DEGREES.

Wm. Henry Marson Alexander, Scot.	John Johnson,	Scotland.
Harry Cleghorn Anderson, Scotland.	Henry Edward Jones,	Ireland.
Charles James Babes,	Neil Keith,	Scotland.
Thomas Barrowman,	Thomas Kirkwood, M.A.,	"
Edward Beck,	David Clark Laird,	"
James Ebenezer Bow,	Robert Langmuir, M.A.,	"
John James Boyd,	Hugh Lawrie,	"
William Mackenzie Brown,	John Lindsay, M.A.,	"
Archibald Prentice Campbell,	James Buchan Littlejohn,	"
David Birrell Campbell,	Robert M'Farlane Marshall,	"
Archibald Chalmers, M.A.,	Edward James Morris,	Wales.
James Easton Chalmers,	Percy Hope Murray,	Scotland.
David Charters,	William Cochrane Murray,	"
Andrew Cluckie,	Alexander Christie M'Arthur, India.	"
James Cochrane,	Alex. Hutchison M'Cracken, Scotland.	"
John Cochrane,	James M'Glashan,	"
Robert Cook,	James Angus Macintosh,	"
Alexander Baillie Craig,	James M'Kay,	"
William Craik,	Alexander John M'Keehnie,	"
James Ritchie Dalrymple,	George M'Lauchlan,	"
John David Davies,	Peter Carmichael MacRobert,	"
John Stanley Davies, M.A., Scotland.	Charles O'Neill,	Ireland.
Richard Gregor Dick,	William Adam Paterson,	Scotland.
Thomas Devine,	William Findlay Paton, M.A.,	"
Neil Downie,	Robert Ramsay,	"
Andrew Findlay,	James Jenkins Robb,	"
James Fisher,	William Northcote Sime,	"
Alfred Forrest, M.A.,	Alexander Robb Smith,	"
James Fisher Frew,	Maurice Tancred Stack, New Zealand.	"
William Fulton,	William Steel,	Scotland.
Henry Niven Gardiner,	William Caldwell Steele,	Ireland.
James Gillespie,	David Robert Thomson Strong, Scot.	"
Andrew Graham,	James Thomson,	Scotland.
Peter Napier Grant,	John M'Donald Vallance,	"
Robert Guy,	David Wallace,	"
Thomas Hamilton,	Andrew Watson,	"
David Harris,	John Watt,	"
James Blair Hartley,	Andrew Wauchope,	"
Æneas Henderson,	John Whitehouse,	"
Ernst Denny Scott Heyliger, Jamaica.	Charles Frederick Wylie,	"
Robert King Howat,	John Cameron Young,	England.

*November, 1892.*

James William Moon Buick, England.	Thomas Donald Laird,	Scotland.
Adam Guthrie Burrell,	William M'Call,	"
William Cassels,	Archibald Robertson, M.A.,	"
Robinson Ruddock Coyle,	James Andrew Robertson,	"
Farquhar Gracie,	Alexander Marshall Roy,	"
Campbell Highet,	John Barr Stevens,	"
Alexander Kelso,	Charles Stewart,	"
William Anderson Kirkwood,	George Nelson Turner,	South Seas.

*February, 1893.*

## I. COMMENDATION.

William Semple Young, Scotland.

## II. ORDINARY DEGREES.

John Hardie MacArthur, Scotland. | Alex. Stewart M'Pherson, Scotland.  
George Nicoll, Scotland.

*March, 1893.*

William Sandilands Harrison, England.

*April, 1893.*

William Walton Don, England. | William M'Niven Muat, Scotland.

## MASTERS OF ARTS (M.A.).

*July, 1892.*

John Bayne.

*October, 1892.*

William Findlay.

*November, 1892.*

## I. WITH HONOURS.

*With First-Class Honours in Mathematics and Natural Philosophy.*

Walter Stewart.

## II. ORDINARY DEGREE.

Thomas Albert Bryan.  
Alexander Fraser Campbell.  
William Robert Cannon.  
James Affleck Clark.  
William Oliver Clazy.  
Alexander Flint.  
George John Ford.  
James Morison Rollo Gladstone.  
Andrew Hunter.  
David Smiles Jerdan.  
Thomas Kidd.

William Martin.  
Cecil Elliott Moore.  
John Dugald MacGillp.  
Joseph Mansfield Bell M'Intyre.  
Angus Fraser Macrae.  
Hamilton Paul Paterson.  
Robert Paterson.  
James Duncan Robertson.  
David Lyon Stevenson.  
John Macintosh Wilson.  
David Young.

*April, 1893.*

John Russell Aitken.  
John Anderson.  
Thomas Alex. Harvie Anderson.  
Charles Bernard Beard.  
George Noel Matthew Birkett.  
Robert Buchanan.  
Robert Matthew Buchanan.  
James Caesar.  
Hugh Cameron.  
James Carruthers.  
John Lindley Carstairs.  
John Cuthill Chalmers.  
John Miller Chalmers.  
William Clow.  
Robert Hay Coats.  
James Spence Cuthill.  
John M'Ausland Dickie.  
William Donald.  
Charles Douglas.  
John Dunbar Dowie.  
James Richan Drever.  
Alexander Adams Duncan.  
James Dunlop.  
Malcom Dunlop.  
William Robert Gourlay.

William John.  
Archibald M'Arthur Johnston.  
Walter King.  
John Riddell Logan.  
James Moodie.  
Colin Murdo Morison.  
Hugh Thomas Sutherland Morrison.  
William Alexander Morton.  
Robert Stewart M'Kim.  
Robert M'Lean.  
John Campbell M'Naught.  
George Alex. Campbell M'Neill.  
John Riddell.  
Frank Harper Robbie.  
Charles Drummond Moray Ross.  
Robert Rule.  
Samuel Scott.  
William Goudie Skinner.  
Herbert Stowell.  
Thomas Gourlay Taylor.  
John Thomson.  
Robert Bryce Walker.  
Andrew Ewing Wallace.  
James Wallace.  
John Weir.

## BACHELORS OF SCIENCE (B.Sc.)

*November, 1892.*

## I. WITH HONOURS.

*With Honours in Zoology and in Botany.  
In Natural Science.*

James Rankin.

*With Honours in Physiology.**In Biological Science.*

William Stewart Cook.

*With Honours in Chemistry.**In Physical Science.*

David Runciman Boyd.

## II. ORDINARY DEGREE.

*In Geological Science.*

Hugh Manners, M.A.

James Wardrop M'Ewan, M.A.

*In Physical Science.*

William Rowan Wilson.

*April, 1893.**In Natural Science.*

Robert Buchanan.

William Clow.

*In Physical Science.*

Matthew Archibald Parker.

*In Geological Science.*

David Thomson Smith, M.A.

*In Engineering Science.*

Johannes Bruhn.

William Morrison.

Riotaro Hirano Hunter.

Herbert Charles Sadler.

Robert Kennedy.

Lawrence Spear.

Richard Morgan Watt.

## CERTIFICATES OF PROFICIENCY IN ENGINEERING SCIENCE.

*April, 1893.*

Riotaro Hirano Hunter.

Robert Kennedy.

William Morrison.

## DEPARTMENTAL CERTIFICATES.

## I.—FOR DEGREE OF B.D.

FIRST DEPARTMENT—*November, 1892.*

Hugh Young Arnott, M.A.

John Buchanan Mackenzie, M.A.

James Barr, M.A.

Robert John Paul, M.A.

David Bayne, M.A.

John Sloan, M.A.

William Stevenson Brownlee, M.A.

Gavin Warnock, M.A.

William Metcalfe, M.A.

James Peter Wilson, M.A.

SECOND DEPARTMENT—*April, 1893.*

Hugh Young Arnott, M.A.

John Buchanan Mackenzie, M.A.

David Bayne, M.A.

James Hair Maclean, M.A.

William Stevenson Brownlee, M.A.

Robert John Paul, M.A.

Gilbert Buchanan, M.A.

John Ronald, M.A.

Robert Baillie Douglas, M.A.

John Sloan, M.A.

Alfred Ernest Garvie, M.A.

Gavin Warnock, M.A.

James Moffatt, M.A.

James Peter Wilson, M.A.

Julius M'Callum, M.A.

## II.—FOR DEGREE OF M.A.

## 1. IN CLASSICAL LITERATURE.

*October, 1892.*

Anderson, James Wilson  
 Bannatyne, Andrew Stirling  
 \*Birkett, George N. M.  
 Carruthers, Thomas  
 Chambers, Alexander  
 Davidson, James  
 Fairgrieve, Mungo M.  
 Flint, Alexander  
 Ford, George John  
 Gardner, George  
 Garrow, Alexander D.  
 Goodman, Hyam  
 Hall, John  
 Higgins, James Alexander  
 Johnston, Archibald Roy  
 Johnston, John J. H.  
 Jones, Thomas Wedros  
 Low, William Henry  
 Lyle, James  
 \*Matheson, Roderick M.

Morrison, William  
 Muir, Joseph  
 \*M'Ewing, Samuel Harvey  
 M'Leod, Alexander  
 MacLeod, John  
 Macmorran, Robert Smith  
 Nisbet, Robert G. (II. Hon.)  
 Paterson, Robert  
 Scotland, Robert Moffat  
 Scott, Thomas  
 Stewart, Charles William  
 Stewart, John  
 Stirton, John  
 Struthers, John  
 Thomson, James  
 Tripney, David  
 Watchman, James  
 Williamson, Henry Angus  
 Wotherspoon, James  
 Wright, Alex. M'Farlane

*April, 1893.*

Aikman, Matthew  
 Ballantyne, George  
 Beard, Charles Bernard  
 Cameron, Hugh  
 Cochran, John  
 Colquhoun, Alexander  
 Cross, William  
 Cumming, John  
 Douglas, Charles  
 Douglas, Donald  
 Girvan, James Wyllie  
 Girvan, William  
 \*Gow, William  
 Gowans, Adam Luke  
 \*Gray, James Neilson  
 Gray, Robert Arthur  
 Green, James Garden  
 Griffith, Hugh Evan  
 Jackson, Harry  
 Johnston, Gilbert  
 Kerr, Robert Hogg  
 Kesson, Colin Mackay  
 Kesson, Henry  
 King, James Edward  
 Kinloch, Thomas Fleming

Lamb, George  
 Lindsay, William C.  
 Loggie, William Wright  
 Mitchell, William Chisholm  
 Moodie, James  
 Morrison, David  
 Macdonald, Coll Archibald  
 M'Gregor, Christopher Strang  
 MacInnes, Donald John  
 Maclean, George Todd  
 Macleod, Donald  
 Napier, Thomas Macready  
 Pollock, Robert Carson  
 Reid, John  
 Robertson, Donald John  
 Ross, Duncan  
 Ross, George Munro  
 Russell, William Young  
 Scott, Ebenezer  
 Smith, Alexander  
 Templeman, James Mitchell  
 Wallace, Edwd. Hamilton (II. Hon.)  
 Whamond, John G.  
 Whitelaw, Herbert Anderson

## IN LATIN (New Regulations).

*October, 1892.*

Menzies, Joseph Hume

\* Students whose names are marked with an asterisk distinguished themselves in the Examination.



*April*, 1893.

Brand, William Robert  
 Copeland, James Wilson  
 Fleming, David Pinkerton  
 Fulton, John Wilson  
 Jordan, William  
 Lang, Norman Macleod  
 Martin, Alexander James  
 Miller, William J. S.  
 M'Intyre, John E.  
 Reid, James Alexander

Scott, Andrew Boyd  
 Somerville, Munro  
 Stewart, John (Coatbridge)  
 Stewart, William  
 Wallace, John  
 Wark, John Lane  
 Wells, Alexander S.  
 Whyte, Robert Orr  
 Young, John

## IN GREEK (New Regulations).

*October*, 1892.

Menzies, Joseph Hume

Young, John

*April*, 1893.

Copeland, James Wilson  
 Cowan, James Duncan  
 Fleming, David Pinkerton  
 Martin, Alexander James  
 Miller, William J. S.  
 Scott, Andrew Boyd  
 Somerville, Munro

Stewart, Adam Bell  
 Stewart, John (Coatbridge)  
 Stewart, William  
 Wallace, John  
 Wark, John Lane  
 Wells, Alexander S.  
 Whyte, Robert Orr

## 2. IN MENTAL PHILOSOPHY.

*October*, 1892.

Brown, Edward  
 Cannon, William R.  
 Carruthers, James  
 Dow, Donald N.  
 Edwards, John  
 Ferguson, Thomas  
 Gladstone, James M. R.  
 Grant, Alexander B.  
 Hunter, Andrew  
 Logan, John R.  
 Martin, Thomas  
 Martin, William  
 Morrison, John S.  
 Munro, John

M'Intyre, Joseph M. B.  
 Mackenzie, James  
 M'Lean, Robert  
 Paterson, Hamilton Paul  
 Robbie, Frank H.  
 Robertson, James D.  
 Rose, Adam R.  
 Ross, Charles D. M.  
 Smith, William  
 Stevenson, David L.  
 Strang, Walter  
 Sutherland, Duncan M'E.  
 Wilson, John

*April*, 1893.

Aitken, George R.  
 Aitken, John R.  
 Allen, Thomas N.  
 Anderson, John  
 Anderson, Thomas A. H.  
 Barr, Andrew M.  
 Birkett, George N. M.  
 Cairncross, Thomas S.  
 Cameron, William G.  
 Chalmers, John C.  
 Chalmers, John M.  
 Coats, Robert H.  
 Cowie, Andrew R.  
 Craig, James H.  
 Craig, John B.  
 Crum, John G.

Cuthill, James S.  
 Dickie, John M.  
 Dodd, William G.  
 Donald, William  
 Dowie, John D.  
 Duke, John A.  
 Duncan, Alexander A.  
 Dunlop, James  
 Dunlop, James S.  
 Dunlop, Malcom  
 Edward, Alexander R.  
 Edward, James M.  
 Fairgrieve, Mungo M.  
 Ferguson, James  
 Fergusson, David  
 Fleming, Alfred J.

*April, 1893.*

Forsyth, John M.  
 Fraser, William (Aberdeen)  
 Fraser, William (Glasgow)  
 Garrow, Alexander D.  
 Gibson, Laurence M.  
 Gilchrist, Andrew S.  
 Gourlay, William R.  
 Grant, John H.  
 Hanks, William P.  
 Henderson, Wm. Craig  
 Johnston, Archibald M.  
 King, Walter  
 Lamont, Charles  
 Law, James  
 Leishman, John S.  
 Leitch, John W.  
 Low, William H.  
 Lyle, James  
 Millar, Matthew  
 Morison, Colin M.  
 Morrison, Hugh T. S.  
 Morton, William A.  
 MacDonald, John  
 Macdonald, Ronald  
 Mackay, William

Mackinnon, Hugh  
 M'Leman, George L.  
 MacMillan, Alexander  
 M'Millan, William S.  
 M'Neill, George A. C.  
 Macnicol, Roderick R.  
 MacRae, Duncan M.  
 Paterson, James C.  
 Patrick, Andrew  
 Riddell, John  
 Robertson, David  
 Rodger, James  
 Rule, Robert  
 Scott, Daniel  
 Scott, Ebenezer  
 Scott, John Charles  
 Scott, Thomas  
 Simpson, John  
 Strachan, David  
 Strachan, Peter D.  
 Thomson, John  
 Walker, David  
 Walker, Robert B.  
 Weir, John (Glasgow)  
 Winning, Isaac

## IN LOGIC (New Regulations).

*October, 1892.*

Pollock, James

*April, 1893.*

Anderson, Thomas R.  
 Bannatyne, Andrew S.  
 Boyd, William  
 Gillespie, James  
 Howie, Robert (Dreghorn)  
 Jordan, William  
 Matheson, Roderick M.  
 Menzies, Joseph H.  
 Middleton, Arthur S.

M'Kim, Robert Stewart  
 Maclean, James A.  
 Nelson, Allan M.  
 Reid, James A.  
 Thomson, James (Glasgow)  
 Thomson, John Scoular  
 Walker, James  
 Walker, Thomas M.  
 Webster, David G.

## IN MORAL PHILOSOPHY (New Regulations).

*April, 1893.*

Blacklock, Isabella  
 Blair, Sarah Logan

Menzies, Joseph H.  
 M'Kim, Robert Stewart  
 Nelson, Allan M.

## IN ENGLISH LITERATURE (New Regulations).

*October, 1892.*

Pollock, James

*April, 1893.*

Blair, Sarah Logan  
 Boyd, William  
 Brailsford, Henry Noel  
 Howie, Robert (Dreghorn)

Webster, David Graham

M'Kim, Robert Stewart  
 MacNaughtan, William  
 Pringle, Wm. Mather Rutherford  
 Stewart, John (Bute)

## 3. IN MATHEMATICS AND NATURAL PHILOSOPHY.

*October, 1892.*

Alexander, Gilchrist Gibb  
 Boyd, Robert  
 Campbell, Alexander Fraser  
 Cannon, William Robert  
 Clazy, William Oliver  
 Connor, John Morgan  
 Ford, George John  
 Jerdan, David Smiles  
 Kelly, William  
 Kidd, Thomas  
 Moore, Cecil Elliott  
 Macleroy, Campbell Macqueen

Macrae, Angus Fraser  
 Paterson, William Russell  
 Reith, Archibald  
 Ross, Charles Drummond Moray  
 Scott, Ebenezer  
 Scott, Samuel  
 Sillars, Joseph  
 Stevenson, David Lyon  
 Stewart, Walter (I. Hon.)  
 Stowell, Herbert  
 Wallace, Edward H. (II. Hon.)  
 Young, David

*April, 1893.*

Anderson, John  
 Arneil, Allan  
 Birkett, George N. M.  
 Buchanan, Robert M.  
 Caesar, James  
 Campbell, Alexander S.  
 Carruthers, James  
 Carstairs, John L.  
 Chalmers, John C.  
 Chalmers, John M.  
 Coats, Robert H.  
 Cranmer, John G.  
 Crawford, David H.  
 Cuthill, James S.  
 Dickie, John M.  
 Dowie, John D.  
 Drever, James R.  
 Duncan, Alexander A.  
 Dunlop, James  
 Dunlop, Malcom  
 Ferguson, James  
 Flint, Thomas  
 Forfar, Alexander  
 Forsyth, John M.  
 Goodman, Hyam  
 Gourlay, William R.  
 Gow, William  
 Hobart, Robert R.  
 Hood, Joseph  
 Ingles, Robert  
 John, William  
 Johnston, Archibald M.  
 Leitch, John W.  
 Logan, John R.  
 Lyle, James  
 Mather, William M.  
 Mitchell, Ebenezer

Morison, Colin M.  
 Morrison, Hugh T. S.  
 Morton, William A.  
 Munn, John  
 Munro, Edwin S.  
 M'Curtain, David Hume  
 M'Fadyen, Joseph F.  
 M'Gown, George W. T.  
 M'Gregor, Alexander  
 Maclean, Charles F.  
 M'Lean, Robert  
 M'Millan, George A.  
 M'Naught, John C.  
 Macnicol, Roderick R.  
 M'Pherson, George  
 M'Queen, Adam M.  
 Pagan, Gavin L.  
 Paterson, William Romaine  
 Ramsay, William L.  
 Riddell, John  
 Robbie, Frank H.  
 Rodger, James  
 Rule, Robert  
 Saunders, Thomas  
 Shaw, John  
 Sinclair, John  
 Smith, James W.  
 Stirling, John  
 Strachan, Peter D.  
 Struthers, John  
 Taylor, Thomas G.  
 Walker, Robert B.  
 Wallace, Andrew E.  
 Wallace, James  
 Whamond, John G.  
 Winning, Isaac  
 Yuille, George Simpson

## IN MATHEMATICS (New Regulations).

*October, 1892.*

Pollock, James

*April, 1893.*

Boyd, William  
 Buchan, John  
 Fleming, David P.  
 Fulton, William W.  
 Gillespie, James  
 Gillies, William K.  
 Hamilton, Adam  
 Henderson, James E.  
 Henderson, John W.  
 Hepburn, Percy  
 Howie, Robert (Pollokshields)  
 Jordan, William  
 Matheson, Roderick M.

Menzies, Joseph H.  
 Middleton, Arthur S.  
 M'Intyre, John E.  
 M'Kim, Robert S.  
 MacNaughtan, William  
 Nelson, Allan M.  
 Preston, David  
 Reid, James A.  
 Skilling, James L.  
 Stewart, Adam B.  
 Stewart, John (Bute)  
 Towers, Joseph W.  
 Wallace, John

Webster, David G.

IN NATURAL PHILOSOPHY (New Regulations).

*April, 1893.*

Cowan, James D.

M'Kim, Robert S.

Pringle, William M. R.

4. IN HEBREW (New Regulations).

Donald, Alexander.

## III.—FOR DEGREES IN LAW.

I.—FOR DEGREE OF LL.B.

1. IN CIVIL LAW.

*October, 1892.*

Allison, John Dunn, M.A.  
 Alston, Andrew, M.A.  
 Bartholomew, John, M.A.

Findlay, James Crawford, M.A.  
 Hamilton, Alex. Mitchell, M.A.  
 Ramsay, William Alex., B.A.

*April, 1893.*

Brown, Charles Herbert, M.A.

Doak, Robert Alex., M.A.

2. IN LAW OF SCOTLAND.

*October, 1892.*

Brown, Charles Herbert, M.A.

*April, 1893.*

Mackenzie, Alex. Roderick, M.A.

3. IN CONVEYANCING.

*October, 1892.*

Alston, Andrew, M.A.  
 Barclay, Robert Francis, M.A.  
 Boyd, Herbert Cameron, M.A.

Fraser, Chas. Fred. Pollock, M.A.  
 Pattison, David Ballingall, M.A.  
 Scobie, Alfred, M.A.

*April, 1893.*

Allison, John Dunn, M.A.

Hutchison, William, M.A., B.L.

Lamond, Robert, M.A.

4. IN PUBLIC LAW.

*October, 1892.*

Barclay, Robert Francis, M.A.

Fraser, Chas. Fred. Pollock, M.A.

Kerr, William Caird, M.A.

*April, 1893.*

Brown, Charles Herbert, M.A.  
 Hutchison, William, M.A., B.L.

Lamond, Robert, M.A.  
 Pattison, David Ballingall, M.A.

## 5. IN CONSTITUTIONAL LAW AND HISTORY.

*October, 1892.*

Allison, John Dunn, M.A.	Hamilton, Alex. Mitchell, M.A.
Bartholomew, John, M.A.	Kerr, William Caird, M.A.
Brown, Charles Herbert, M.A.	Pattison, David Ballingall, M.A.
Findlay, James Crawford, M.A.	Ramsay, William Alex., B.A.
Scobie, Alfred, M.A.	

*April, 1893.*

Mackenzie, Alex. Roderick, M.A.

## 6. IN MEDICAL JURISPRUDENCE.

*October, 1892.*

Boyd, Herbert Cameron, M.A.	Pattison, David Ballingall, M.A.
Ramsay, William Alex., B.A.	

*April, 1893.*

Doak, Robert Alex., M.A.

## II.—FOR DEGREE OF B.L.

## 1. IN LATIN.

*October, 1892.*

Buchanan, Robert Mack	Nimmo, Andrew Reid
Gentles, Norman	Wylie, Robert
Young, Alex. Francis	

*April, 1893.*

Anderson, Jonathan Ranken	Slorach, Robert George
Tannahill, John Thomson	

## 2. IN GREEK.

*October, 1892.*

Nimmo, Andrew Reid

## 3. IN LOGIC.

*October, 1892.*

Arthur, James.

*April, 1893.*

Anderson, Jonathan Ranken	Tennent, James Hill
Buchanan, Robert Mack	Todd, John Aiton
Wilson, John	

## 4. IN MORAL PHILOSOPHY.

*October, 1892.*

Harrison, John

## 5. IN ENGLISH LITERATURE.

*October, 1892.*

Gentles, Norman	Mackintosh, James Dunbar
Kay, William Martin	Morison, William Ramsey

*April, 1893.*

Campbell, Archibald	Wylie, Robert
Wilson, John	Young, Alexander Waddell

## 6. IN MATHEMATICS.

## 7. IN NATURAL PHILOSOPHY.



## 8. IN FRENCH.

*October, 1892.*

Anderson, Jonathan Ranken		Rowan, Archibald
Tennent, James Hill		

*April, 1893.*

Wylie, Robert

## 9. IN GERMAN.

## 10. IN CIVIL LAW.

*April, 1893.*

Graham, William

## 11. IN LAW OF SCOTLAND.

*October, 1892.*

Harvey, Francis William		Lindsay, William Walkinshaw
Hay, Robert Blair		Lumsden, Harry, M.A.

*April, 1893.*

Allan, Arthur William		Macpherson, Malcolm Duncan, M.A.
Hurl, John		Wyllie, John

## 12. IN CONVEYANCING.

*October, 1892.*

Lindsay, William Walkinshaw		Watt, Albert Taylor, M.A.
Macpherson, Malcolm Duncan, M.A.		Wyllie, John

*April, 1893.*

Allan, Arthur William		Hodge, William Benjamin, M.A.
Dunlop, Edward		Hurl, John
Graham, William		Laird, James Mungo
Gunn, John		Nelson, Walter

Sloan, David Norman

## 13. IN PUBLIC LAW.

*April, 1893.*

Gunn, John

## 14. IN CONSTITUTIONAL LAW AND HISTORY.

*October, 1892.*

Harvey, Francis William		Nelson, Walter
		Wyllie, John

*April, 1893.]*

Dunlop, Edward

## 15. IN MEDICAL JURISPRUDENCE.

*October, 1892.*

Hay, Robert Blair		Lumsden, Harry, M.A.
Lindsay, William Walkinshaw		Macpherson, Malcolm D., M.A.
Nelson, Walter		

*April, 1893.*

Hodge, William Benjamin, M.A.		Laird, James Mungo
Sloan, David Norman		

## 16. IN POLITICAL ECONOMY.

*October, 1892.*

Macpherson, Malcolm Duncan, M.A.

*April, 1893.*

Nelson, Walter		Wyllie, John
----------------	--	--------------

## DEGREE AND PRIZE LIST.

## IV.—FOR DEGREE OF B.Sc.

*Old Regulations.*

IN NATURAL PHILOSOPHY.

*April, 1893.*

Hunter, Ramsay

IN ZOOLOGY.

*October, 1892.*

Manners, Hugh, M.A.

*April, 1893.*

Smith, David Thomson, M.A.

IN GEOLOGY.

*April, 1893.*

Morrison, William

Smith, David Thomson, M.A.

IN CHEMISTRY.

*October, 1892.*

M'Ewan, James Wardrop, M.A.

*Regulations of 1885.*

A. IN BIOLOGICAL SCIENCE.

THIRD EXAMINATION—ANATOMY, PHYSIOLOGY.

*October, 1892.*

Cook, William Stewart

FINAL EXAMINATION—PHYSIOLOGY (HONOURS).

Cook, William Stewart

B. IN PHYSICAL SCIENCE.

FINAL EXAMINATION.

*October, 1892.*

Boyd, David Runciman—Chemistry (Honours)

Parker, Matthew Archibald—Chemistry

Wilson, William Rowan—Mathematics and Natural Philosophy

C. IN ENGINEERING SCIENCE.

MATHEMATICS.

*October, 1892.*

Hunter, Rioto Hirano

*April, 1893.*

Brownlee, Hugh Rodger

Taylor, David Guiland

Workman, Harold

NATURAL PHILOSOPHY.

*April, 1893.*

Hunter, Rioto Hirano

CHEMISTRY.

*October, 1892.*

Bruhn, Johannes

GEOLOGY.

*October, 1892.*

Hunter, Rioto Hirano

*April, 1893.*

Moore, David Muirhead

## CIVIL ENGINEERING AND MECHANICS.

*April, 1893.*

Bruhn, Johannes

## NAVAL ARCHITECTURE.

*October, 1892.*

Brownlee, Hugh Rodger

Workman, Harold

*April, 1893.*

Bruhn, Johannes

*Regulations of 1890.*

## A. IN NATURAL SCIENCE.

## FIRST EXAMINATION—PORTION—MATHEMATICS, NATURAL PHILOSOPHY.

*October, 1892.*

Lang, William Henry

Peck, James Wallace

Wingate, Hamilton More

*April, 1893.*

Calderwood, Hugh

Wilson, Andrew Colville

Lean, George

Wingate, Thomas Paterson

Stanford, Charles Edward Cortis

Woodrow, John Grierson

## FIRST EXAMINATION—PORTION—CHEMISTRY, BOTANY, ZOOLOGY.

*October, 1892.*

Anderson, Samuel

Glen, Hugh Young

Young, Archibald

*April, 1893.*

Anderson, William Carrick

Martin, William, M.A.

Calderwood, Hugh

Wingate, Hamilton More

## SECOND EXAMINATION—BOTANY, ZOOLOGY.

*October, 1892.*

Buchanan, Robert

Clow, William

Rankin, James (Honours in both subjects)

## SECOND EXAMINATION—GEOLOGY, ASTRONOMY.

*April, 1893.*

Buchanan, Robert

## B. IN ENGINEERING SCIENCE.

## MATHEMATICS.

*October, 1892.*

Callejon y Carstens, Ventura de

Cassells, Robert Dunlop

Denny, Leslie

*April, 1893.*

Gray, John

Jackson, William

Hamilton, Patrick

MacIlwaine, John Elder

Macneil, Charles

## NATURAL PHILOSOPHY.

*October, 1892.*

Kennedy, Robert

*April, 1893.*

Aitken, Thomas Martin

Holm, James, M.A. (Lab.)

Callejon y Carstens, Ventura de

Macmillan, Campbell

Cassells, Robert Dunlop

Sadler, Herbert Charles

Ferguson, Homer Lenoir

Zahm, Frank Baker

## CHEMISTRY.

*October, 1892.*

Adam, Matthew Atkinson	Gourlay, Charles
Alexander, William	Malcolm, John
Bain, Alexander	Morrison, William
Craig, Alexander Gratitude	Macneil, Charles
Sadler, Herbert Charles	

*April, 1893.*

Aitken, Thomas Martin	Dittmar, August
Carmichael, Peter	Goudie, William John
Cassells, Robert Dunlop	Jackson, William
Dickson, James Moir	Macmillan, Campbell
Thomson, Hubert	

## CIVIL ENGINEERING AND MECHANICS.

*October, 1892.*

Forbes, Charles (Honours)	Gourlay, Charles
Jackson, William	

*April, 1893.*

Denny, Leslie	Reid, John
Holm, James, M.A.	Spear, Lawrence
Kennedy, Robert	Stewart, Walter, M.A.
Mackillop, Gardiner H.	Watt, Richard Morgan

## ENGINEERING DRAWING AND CALCULATIONS.

*April, 1893.*

Coats, Allan	Malcolm, John
Craig, Alex. Gratitude	Mackillop, Gardiner H.
Keith, James	

## NAVAL ARCHITECTURE.

*October, 1892.*

Williams, Llewellyn Wynn

*April, 1893.*

Blair, George	Sadler, Herbert Charles
Coats, Allan	Spear, Lawrence
Kennedy, Robert	Watt, Richard Morgan
Macmillan, Campbell	

## GEODESY.

*April, 1893.*

Carmichael, Peter	Gourlay, Charles
Callejon y Carstens, Ventura de	Mason, John
Dittmar, August	Morrison, William
Gardner, Stanley Joseph	Perry, Robert

PRELIMINARY EXAMINATION FOR DEGREES IN ARTS  
AND SCIENCE.

The following passed in the subjects noted:—

*October, 1892.*

James Adam (English, L. Math., L. Latin)  
 George J. Aitken (English, L. Math., L. Latin)  
 Archibald Anderson (English, L. Latin, L. Greek)  
 Robert P. R. Anderson (L. Math., H. Latin, H. Greek)  
 Thomas Baird (English, L. Math., L. Latin)  
 Thomas Bell, Dumfries (English, L. Math., L. Latin)  
 Sarah Logan Blair (English)

Walter Blythe (English, L. Math.)  
 Frank T. Bost (French)  
 Robert Bowie (English, L. Math., H. Latin, L. Greek)  
 William R. Brand (English, L. Math., H. Latin, L. Greek)  
 George M'L. Brodie (English, L. Math.)  
 James G. Brown (English, L. Math., L. Latin, Dynamics)  
 John Brownlie (L. Math., L. Latin)  
 Donald C. Cameron (English, L. Latin, L. Greek)  
 Duncan Cameron (English, H. Math., L. Latin, L. Greek)  
 Arthur B. Carruthers (L. Latin)  
 George Coats (H. Math.)  
 Francis M. Cockburn (English, H. Latin, H. Greek)  
 John A. Colquhoun (English, L. Math., H. Latin, H. Greek)  
 David Craik (English)  
 David Crawford (English, L. Latin)  
 Charles Dick (English, L. Math., H. Latin, L. Greek)  
 Gilbert Dick (L. Math., L. Latin, L. Greek)  
 Alexander Donald (Hebrew)  
 K. M. Duncan (H. Math., Dynamics)  
 Charles R. Dunlop (H. Math., H. Latin, L. Greek)  
 William A. Dunnett (L. Math., H. Latin, L. Greek)  
 David P. Fleming (English, H. Math., H. Latin, H. Greek)  
 Norman Fleming (English, H. Math., L. Latin, French)  
 J. W. Fulton (English, H. Math., H. Latin, L. Greek)  
 Allan Gibson (English, H. Math., H. Latin, L. Greek)  
 James Gilmour (English, L. Math., H. Latin)  
 John Glen (L. Math., H. Latin, L. Greek)  
 John Gracie (L. Math., L. Latin, L. Greek)  
 John Gray (English, L. Math.)  
 Adam Hamilton (English, H. Math., H. Latin, H. Greek)  
 Thomas S. Haran (L. Math., L. Latin)  
 William J. C. Helme (English, L. Math., H. Latin, L. Greek)  
 James E. Henderson (English, H. Math., L. Latin, L. Greek)  
 J. W. Henderson (English, H. Math., H. Latin, H. Greek)  
 Rob. Henderson (English, L. Math., Dynamics)  
 Robert Howie (English, H. Math., H. Latin, H. Greek)  
 Robert Y. Howie (English, L. Math.)  
 Robert M. Jack (English, L. Math.)  
 John Jeffrey (H. Math., H. Latin, L. Greek)  
 James Johnston (English, H. Latin, H. Greek)  
 James A. Johnston (English, L. Math., L. Latin)  
 Andrew M'C. Kelly (L. Math., L. Latin)  
 Norman M'L. Lang (English, L. Math., H. Latin, L. Greek)  
 David F. Liddle (L. Latin)  
 John Lochhead (English, L. Math., L. Latin, L. Greek)  
 David Longwill (L. Latin)  
 Peter Lowson (English, H. Math.)  
 George Lyon (English, H. Math., H. Latin, H. Greek)  
 Allan Martin (H. Math., H. Latin, H. Greek)  
 Robert H. Martin (English, L. Math., H. Latin, H. Greek)  
 Harry S. Martyn (L. Math., H. Latin, L. Greek)  
 John Matheson (English, L. Math., L. Latin, H. Greek)  
 James Millar (L. Math., L. Latin, German)  
 James G. Millar (English, L. Latin)  
 Robert Miller (L. Math.)  
 William J. S. Miller (English, H. Math., H. Latin, H. Greek)



James D. Mitchell (English, L. Math., H. Latin, H. Greek)  
 James M'F. Morgan (English, L. Math., H. Latin, L. Greek)  
 John L. Morison (English, L. Math., H. Latin, H. Greek)  
 David Morton (English, L. Math., L. Latin)  
 George Murray (English, H. Math., H. Latin, H. Greek)  
 Wm. M. Murray (English, H. Math., H. Latin, H. Greek)  
 C. R. M'Clure (English, L. Math., H. Latin, H. Greek)  
 William R. M'Cracken (English, L. Math., L. Latin)  
 John M'Donald (English, L. Math., H. Latin, L. Greek)  
 William M'Dougall (English)  
 Hugh MacGregor (English, L. Math., L. Latin, H. Greek)  
 J. E. M'Intyre (English, L. Math., H. Latin, L. Greek)  
 Francis Mackay (English, L. Math., L. Latin)  
 James W. Mackay (English)  
 John D. M'Kay (L. Math., H. Latin, H. Greek)  
 John M. Mackinnon (L. Latin, L. Greek)  
 James A. Maclean (English, L. Math., H. Latin, French)  
 John M'Nab (L. Math., L. Latin, L. Greek)  
 Wm. M'Naughtan (English, H. Math., L. Latin, L. Greek)  
 Murdoch M'Ouat (English, L. Math., L. Latin, L. Greek)  
 James L. Neil (English, L. Math., Dynamics)  
 Robert Orr (L. Greek)  
 Chas. D. Palmer (English, L. Math., H. Latin, L. Greek)  
 Joseph B. Paterson (H. Math., French, Dynamics)  
 James W. Peck (H. Math., L. Latin, Dynamics)  
 William Phillips (English, L. Math., L. Latin)  
 James F. Pollock (English, L. Latin)  
 David Preston (English, H. Math., L. Latin, L. Greek)  
 John M. Ramsay (English, H. Math., H. Latin, H. Greek)  
 Philip Robertson (L. Math., L. Latin, L. Greek)  
 Neil Ross (English, H. Latin, L. Greek)  
 Andrew B. Scott (English, L. Math., H. Latin, H. Greek)  
 Gavin Scott (English, H. Math., H. Latin, H. Greek)  
 William Selkirk (English, L. Latin, L. Greek)  
 James Shearer (English, L. Math., L. Latin)  
 James L. Skilling (English, L. Math., H. Latin, French)  
 Alexander B. Sloan (H. Math., L. Latin, L. Greek)  
 David Smith (English, L. Math., L. Latin)  
 Neil S. Snodgrass (English, L. Math.)  
 Munro Somerville (English, L. Math., H. Latin, H. Greek)  
 David Stevenson (English, L. Math., L. Latin, H. Greek)  
 William Stevenson (L. Latin, L. Greek)  
 Adam B. Stewart (English, H. Math., H. Latin, H. Greek)  
 Andrew Stewart (English, H. Math., L. Latin, L. Greek)  
 John Stewart, Kilmarnock (H. Math., H. Latin, L. Greek)  
 Wm. Stewart (English, L. Math., H. Latin, H. Greek)  
 Alexander C. Storer (English, L. Math.)  
 James Tait (L. Math.)  
 James Templeton (English, L. Math., L. Latin)  
 Hubert Thomson (French)  
 James Thomson (English, L. Math., H. Latin, French)  
 William Thomson, Glasgow (L. Math., H. Latin)  
 Joseph W. Towers (English, L. Math., H. Latin)  
 Robert L. Turner (L. Math., L. Latin)  
 Archibald C. Walker (L. Math., H. Latin, H. Greek)  
 James Walker (English, L. Math., H. Latin, L. Greek)

Thomas M. Walker (English, L. Math., H. Latin, Dynamics)  
 John L. Wark (English, H. Math., H. Latin, H. Greek)  
 Robert Watt (English, L. Math., L. Latin)  
 Henry G. Webber (L. Math., H. Latin)  
 Alexander S. Wells (H. Math., H. Latin, H. Greek)  
 Robert G. White (L. Math.)  
 Adam G. Whyte (English, French, Dynamics)  
 Arthur W. Wilkie (English, H. Math., L. Latin)  
 James R. Williamson (English, L. Latin)  
 Alexander Wilson (L. Math., L. Latin, L. Greek)  
 James Wilson (L. Latin, L. Greek)  
 James B. Wilson (L. Math., L. Latin, L. Greek)

*April, 1893.*

Robert Bowie (H. Greek)  
 John Buchan (H. Greek)  
 Donald Cunninghame Cameron (L. Math., H. Latin, H. Greek)  
 Francis Montague Cockburn (L. Math.)  
 Marion Crichton (English, L. Math., H. Latin, French)  
 Charles Dick (H. Greek)  
 John Duncan (English, H. Math., Dynamics)  
 Charles Robertson Dunlop (English, H. Greek)  
 Andrew Dunn (Dynamics)  
 Charles Aikman Gourlay (English, L. Greek)  
 John Harkness (English, L. Math., H. Latin, L. Greek)  
 Percy Hepburn (H. Greek)  
 Ernest Harold Houston (L. Math., L. Latin, French)  
 Alexander Scott Hume (French)  
 John Jeffrey (English, H. Greek)  
 William Johnston (English, L. Math., H. Latin, French)  
 John Lochhead (H. Latin, H. Greek)  
 James Mair (English, L. Latin)  
 John Matheson (H. Latin)  
 Donald M'Callum (L. Math.)  
 John Archibald M'Cormick (English, L. Math., H. Latin, H. Greek)  
 Donald M'Farlan (English, L. Math., L. Latin, L. Greek)  
 Roderick MacLeod (English, H. Latin, H. Greek)  
 William MacNaughtan (H. Latin, H. Greek)  
 James Wallace Peck (English, H. Latin)  
 William Phillips (H. Latin, L. Greek)  
 David Preston (H. Latin, H. Greek)  
 William Reid (English, L. Math., H. Latin)  
 John Robertson (L. Math.)  
 John Johnston Ross (Eng., H. Math., H. Lat., L. Greek, Dynamics)  
 Kenneth Ross (H. Latin)  
 Helen Rutherford (L. Math., H. Latin)  
 Neil Smith Snodgrass (H. Math., H. Latin, French)  
 Alice Rosalie Walker (English, French)  
 Robert Whiteford (L. Greek)  
 Adam Gowans Whyte (H. Math.)  
 Arthur West Wilkie (H. Latin, H. Greek)  
 James Bald Wilson (H. Latin, H. Greek)  
 Robert Wilson (English, L. Math., H. Latin, H. Greek)  
 George Glen Blyth Young (English, L. Math., H. Latin)

## MEDICAL PRELIMINARY EXAMINATION.

The following Candidates passed :—

*October, 1892.*

George Alexander.  
James Alston.  
Daisy Annabella Bennett.  
John George Wilson Boleyn.  
James Duncan Cochran.  
Joseph Muir Corbett.  
James Richan Drever.  
Comyn MacGregor Finlay.  
Mary Gardner.  
George Garry.  
James Gemmell.  
Lawrence Whitaker Harrison.  
Ernest Frederick Lionel de Jersey.  
Samuel Percy Johnson.  
Pierce Jones.  
Alexander Millar Lindsay.  
William Mitchell Lindsay.  
James MacFarlane.  
John M'Intyre.  
David M'Kail.

Anderson Gray M'Kendrick.  
Robert Andrew M'Kendrick.  
James Ninian M'Morris.  
Archibald Cameron Ney.  
Timothy O'Driscoll.  
William Owthwaite.  
John Reid.  
Joseph Wilkie Scott.  
Norman Emil Henry Scott.  
Robert Scott.  
Thomas Scott (Glasgow).  
Albert Sophron Sieger.  
David Ap Simon.  
John M'Callum Stewart.  
James Strang.  
Daniel Rees Thomas.  
John Turnbull.  
Robert Watson.  
Arthur George Worrall.

*April, 1893.*

John Aitken.  
James Napier Baxter.  
Ernest George Dryden Benson.  
Tom Charles Benson.  
Auguste Boyes.  
Alex. Henderson Cassells.  
James Craig.  
William Crerar.  
John Crow.  
John Cullen.  
James Drummond.  
Kenneth M'Kenzie Duncan.  
John Forrest.  
William Gibson.  
John Finlay Grant.  
David Harvey.  
Nicol Jamieson.  
John Kennedy.  
John Anderson Kinghorn.  
James Grant Millar.  
Samuel Johnston Moore.  
Daniel Morrison.  
Miss Karen M. Myhre.

William Tulloch Macdiarmid.  
Mary Lauchline M'Neill.  
Margaret Pollock M'Phun.  
William Gardner Neill.  
John O'Hanlon.  
Jean Effie Prowse.  
William Alexander Riddell.  
Marion Jamieson Ross.  
James Scott.  
Bernard Scribner.  
John Macfarlane Sloan.  
James Smith.  
James Johnston Smith.  
John Steele Smith.  
Maud Spencer.  
Ignatius Sutherland.  
Andrew Taylor.  
William Edward Tellet.  
Thomas Bird Tierney.  
William John Alexander Webster.  
Morgan Watkin Williams.  
William George Williams.  
John Young.

## BURSARY EXAMINATION.

*October, 1892.*

The figure (2) denotes Students of the second year.

The following Candidates distinguished themselves in the Competition, viz. :

1. Adam B. Stewart, Garnethill Public School, Glasgow
2. James W. Copeland, High School, Glasgow

3. John W. Henderson, Garnethill Public School, Glasgow
4. Adam Hamilton, Grammar School and Academy, Paisley
5. Alexander J. Martin, High School, Stirling
6. John M. Ramsay, Greenock Academy
7. Gavin Scott, Hamilton Academy
8. William J. S. Miller, Ayr Academy
9. John Buchan, Hutchesons' Grammar School, Glasgow
10. Thomas Nelson (2), Grammar School, Paisley
11. William L. Parkin (2), Grammar School, Northampton
12. Andrew B. Scott, High School, Glasgow
13. Percy Hepburn, Hutchesons' Grammar School, Glasgow
14. James C. Kinnis (2), Garnethill Public School, Glasgow
15. James D. Cowan, Glasgow Academy
16. David P. Fleming, High School, Glasgow
17. Arthur S. Middleton (2), Dollar Institution
18. Allan Martin, High School, Glasgow
19. George Lyon, Rothesay Academy
20. John Stewart (Coatbridge), High School, Glasgow
21. Charles R. M'Clure, Kelvinside Academy, Glasgow
22. William M. Murray, High School, Glasgow
23. William Stewart, Spiers' School, Beith
24. William W. Fulton, Academy Public School, Beith
25. John L. Wark, High School, Glasgow
26. Robert Howie, Hutchesons' Grammar School, Glasgow
27. George Murray, Rothesay Academy
28. Robert H. Martin, Garnethill Public School, Glasgow
29. George Cunningham, Spiers' School, Beith
30. James C. Saunders (2), High School, Stirling
31. Francis M. Cockburn, Merchiston Castle, Edinburgh
32. John Girvan (2), Grammar School, Campbelltown
33. William R. Brand, Stonyhurst College, Lancashire
34. James N. Gray (2), Larchfield Academy, Helensburgh
35. Harry Jackson (2), Hillhead Public School, Glasgow
36. Christopher S. M'Gregor, (2), Larchfield Academy, Helensburgh
37. John Wotherspoon, Garnethill Public School, Glasgow
38. Munro Somerville, High School, Glasgow
39. Alexander S. Wells, High School, Glasgow
40. John L. Morison, Greenock Academy
41. George T. Maclean (2), Collegiate School, Greenock
42. John A. Colquhoun, Garnethill Public School and Technical College, Glasgow.

### UNIVERSITY PRIZES.

#### I.—FOR ESSAYS.

1. The LORD RECTOR'S PRIZE OF TWENTY-FIVE POUNDS, for the best Essay on "Progress."

William Romaine Paterson, Glasgow.

2. In Mental Philosophy, the UNIVERSITY SILVER MEDAL, for the best Essay on "The Relations of Philosophy and Science."

William G. Skinner, Glasgow.

3. The EWING GOLD MEDAL, for the best Essay on "The Political Causes and Consequences of the American Civil War."

Peter Couper, Rothesay.

4. The WATT PRIZE OF TEN POUNDS, for the best Essay on "The Liquefaction of Gases."

John Brownlee, M.A., Rutherglen.

5. A COULTER PRIZE OF FIVE POUNDS, for the best Sermon on Gal. v. 17.

Ernest S. Gunson, M.A., Glasgow.

6. A COULTER PRIZE OF FIVE POUNDS, for the best English Essay on "The Development of certain typical Greek Myths from the earliest times to the maturity of the Attic Drama."

John R. Tannahill, Paisley.

---

## II.—FOR EXAMINATION.

1. An ARNOTT PRIZE of £15, for Examination in General Physics, open to Students of the First and Second Years of their Medical Studies.

David M'Kail, Glasgow.

2. An ARNOTT PRIZE of £25, for Examination in Physiological Physics, open to Students of the Third and Fourth Years of their Medical Studies.

John Brownlee, M.A., Rutherglen.

3. The FINDLATER (DIVINITY) SCHOLARSHIP, value £38, for an Examination in Divinity, Church History, and Biblical Criticism.

William Thomson, M.A., Kilmarnock.

4. The JAMIESON PRIZE, value £10, for an Examination in Divinity, Church History, and Biblical Criticism.

Gavin Warnock, M.A., Wishaw.

5. The MACFARLAN AND COOK TESTIMONIAL PRIZE of £21, open to Theological Students of Three Years' standing; Examination in Greek, Moral Philosophy, Hebrew, Church History, and Divinity.

Hugh Young Arnott, M.A., Kinloch, Blairgowrie.

6. The LUKE HISTORICAL PRIZE of £10, for the best Examination in Ancient Greek and Roman History.

Robert George Nisbet, Pollokshields.

7. The THOMAS LOGAN MEDAL AND PRIZE of £12 to the most distinguished Graduate in Arts of the Year (1892).

Daniel Lamont, M.A., with First-Class Honours in Mathematics and Natural Philosophy and Second-Class Honours in Mental Philosophy.

8. The BRUNTON MEMORIAL PRIZE, of £10, to the most distinguished Graduate in Medicine of the Year (1892).

John Morton, M.B., C.M.



## CLASS PRIZES.

## Faculty of Theology.

## DIVINITY.

PROFESSOR WILLIAM P. DICKSON, D.D., LL.D.

## SENIOR CLASS.

## I.—Students of the Third Year :—

For Excellence in Written Examinations.

- |   |         |
|---|---------|
| 1. Gavin Warnock, M.A., Wishaw                      | } Equal |
| 2. James Peter Wilson, M.A., St. Quivox, Ayr        |         |
| 3. Thomas Cook, M.A., Paisley                       |         |
| 4. John B. Mackenzie, M.A., Alexandria              |         |
| 5. Robert John Paul, M.A., Cardross, Dumbartonshire |         |

## II.—Students of the Second Year :—

For Excellence in Written Examinations.

1. John M'Gilchrist, M.A., Bowmore, Islay
2. John Hamilton Pagan, M.A., Bothwell
3. Donald Dewar Macdonald, M.A., Kilmalcolm
4. David S. Merrow, M.A., Govan
5. Robert Smith, Paisley

Dowanhill Prizes of £21 and £10 10s. for Elocution.

1. William Newlands, Wishaw
2. James Peter Wilson, M.A., St. Quivox, Ayr

## JUNIOR CLASS.

## III.—Students of the First Year :—

For Excellence in Written Examinations.

- |   |         |
|---|---------|
| 1. George Gordon Duncan, M.A., Bridge of Weir | } Equal |
| 2. William M'Culloch Steven, M.A., Whiteinch  |         |
| 3. Donald Macgillivray, M.A., Mull            |         |
| 4. Charles Whitehead Hutcheson, M.A., Glasgow |         |
| 5. John Baillie Craig, Irvine                 |         |
| 6. John Mackechnie, Oban.                     |         |

## DIVINITY AND BIBLICAL CRITICISM.

PROFESSOR WILLIAM STEWART, D.D.

## I.—Written Examinations :—

## SENIOR DIVISION.

1. William Thomson, M.A., Kilmarnock
2. Hugh Y. Arnott, M.A., Kinloch, Blairgowrie
3. James P. Wilson, M.A., St. Quivox, Ayr
4. William S. Brownlee, M.A., Rutherglen
5. Gavin Warnock, M.A., Wishaw

*Proxime accesserunt*—Robert J. Paul, M.A., Cardross, Dumbartonshire ;  
John B. Mackenzie, M.A., Alexandria ; David Bayne, M.A., Glasgow.

## JUNIOR DIVISION.

1. John H. Pagan, M.A., Bothwell
2. Adam Nelson, M.A., Glasgow
3. John M'Gilchrist, M.A., Bowmore, Islay

*Proxime accesserunt*—William H. Shannon, Greenock ; Walter Strang,  
Govan ; David S. Merrow, M.A., Govan.

## II. Essays:—

1. William S. Brownlee, M.A., Rutherglen
2. David M. Stewart, Lenzie

## ORIENTAL LANGUAGES.

PROFESSOR JAMES ROBERTSON, D.D.

## I.—SENIOR HEBREW CLASS.

1. Donald Dewar Macdonald, M.A., Kilmalcolm
2. John M'Gilchrist, M.A., Bowmore, Islay
3. John Hamilton Pagan, M.A., Bothwell
4. David Scribner Merrow, M.A., Govan

*Order of Merit*—John Morrison, M.A., Govan; Adam Nelson, M.A., Glasgow

## II.—JUNIOR HEBREW CLASS.

1. Francis Gilbert Geddes, M.A., Dumfries
2. John Campbell M'Naught, Glasgow
3. George Gordon Duncan, M.A., Bridge of Weir
4. William M'Culloch Steven, M.A., Whiteinch
5. James Higgins, Milngavie

*Order of Merit*—John M'Callum, Killeen, Kintyre; Guy Steel Peebles, Airdrie; Donald Macgillivray, M.A., Mull; John MacLean, Lochmaddy, North Uist.

## III.—SPECIAL PRIZES FOR VACATION EXERCISES.

1. Prize given by Aramaic Class of 1891-92 for best Examination in Unpointed Hebrew—William S. Brownlee, M.A., Rutherglen
2. For an Essay on the Origin, Transmission, and Value of the Massoretic Text—Donald Dewar Macdonald, M.A., Kilmalcolm
3. For Summer Readings in the Old Testament—Donald Dewar Macdonald, M.A., Kilmalcolm; John H. Pagan, M.A., Bothwell

## CHURCH HISTORY.

PROFESSOR ROBERT HERBERT STORY, D.D.

## SENIOR CLASS.

1. William Thomson, M.A., Kilmarnock
2. Hugh Young Arnott, M.A., Kinloch, Blairgowrie
3. John B. Mackenzie, M.A., Alexandria
4. Hugh Climie, Old Cumnock

*Proxime accesserunt*—James P. Wilson, M.A., St. Quivox, Ayr; Thomas Cook, M.A., Paisley; Walter Strang, Govan; Robert J. Paul, M.A., Cardross, Dumbartonshire; Duncan C. Kerr, Glasgow.

## JUNIOR CLASS.

1. George G. Duncan, M.A., Bridge of Weir
2. { Donald Macgillivray, M.A., Mull } Equal  
    { Andrew E. Wallace, Glenbuck }
3. George A. Stalker, M.A., Toward, Argyllshire
4. Guy S. Peebles, Airdrie
5. William M. Steven, M.A., Whiteinch

*Proxime accesserunt*—John Mackechnie, Oban; John B. Craig, Irvine; Robert Wilson, Dreghorn; John H. H. M'Neill, M.A., Glasgow; John C. M'Naught, Glasgow.

## Faculty of Law.

### SCOTS LAW.

PROFESSOR ALEXANDER MOODY STUART, LL.D.

#### I. For Eminence in the Class Examinations :—

1. \*Jerome Dennison (Robert Ross Prize)
2. \*Hugh Cowan, M.A. (Dean of Faculty's Prize)
3. \*Alexander Mitchell Hamilton, M.A.
4. \*James Wyllie
5. \*Archibald C. Morrison, M.A.
6. \*Joseph Kirkland
7. William James
8. Alexander Taylor, M.A.
9. James Crawford Findlay, M.A.
10. Daniel Wright, M.A.
11. George M. M'Naught
12. Thomas T. Barrie
13. John M'Callum
14. { John Stewart  
      { William R. Gardner } Equal
16. James R. Menzies
17. William C. G. Douglas
18. James Henderson

The \* denotes the Prizemen

#### II. The Prizes given by the Faculty of Procurators in Glasgow for Eminence in a Special Examination on the Subjects of the Course were awarded to :—

1. Jerome Dennison
2. { Hugh Cowan, M.A.  
   { Alexander Mitchell Hamilton, M.A. } Equal
4. Robert Pinkerton
5. { Thomas T. Barrie } Equal  
   { William James }

The following Students distinguished themselves in this Examination, viz. :—

7. James Wyllie
8. Samuel Macfie, M.A.
9. Daniel Wright, M.A.
10. John M'Callum

### CONVEYANCING.

PROFESSOR JAMES MOIR.

#### Ordinary Class Examination.

Prizemen :—

1. Robert Hunter Hodgson, Ayr (Robert Ross Prize).
2. George Mitchell, Annan (Dean of Faculty's Prize).
3. David M'Cracken, Dalry, Ayrshire
4. William Mackay Lennox, Kilsyth, Stirlingshire
5. George Dunlop, Greenock

Special Mention :—

6. John Hay Fulton, Old Cumnock

## Eminently Distinguished :—

7. John D. Allison, M.A., Paisley
8. William S. M'Millan, Mauchline
9. George Kerr, Port-Glasgow
10. Henry W. Tennant, Dumfries
11. George Jordan Miller, Dumbarton
12. Walter Nelson, Glasgow
13. John E. C. Milligan, Kirkgunzeon
14. William Mackenzie, Inveraray
15. David More, Schoolhouse, Kirn
16. John Mowat Macnair, St. Ninians, Stirling
17. Patrick F. W. Edington, Glasgow
18. James Smith, Glasgow

## Special Mention :—

19. { Archibald MacLay, St. Ninians, Stirling  
       { Robert W. M'Clure, Kilmarnock

Examination for Prizes given by the Faculty of Procurators in Glasgow.

## Prizemen :—

1. William Mackay Lennox
2. John D. Allison, M.A.
3. { David M'Cracken  
       { Walter Nelson

## Eminently Distinguished :—

5. George Mitchell
6. Robert Hunter Hodgson
7. George Kerr
8. John Hay Fulton
9. Henry W. Tennant
10. { George Jordan Miller  
       { William S. M'Millan
12. William Mackenzie
13. Edward Dunlop, Kilmarnock

## PUBLIC LAW.

LECTURER—WILLIAM GALBRAITH MILLER, LL.B., Advocate.

## FIRST-CLASS HONOURS AND PRIZES.

1. Robert Lamond, M.A., Glasgow
2. David Ballingall Pattison, M.A., Glasgow
3. James D. Robertson, M.A., Glasgow

## SECOND-CLASS HONOURS (in alphabetical order).

John Gunn, Glasgow  
 Archibald C. Morrison, M.A., Paisley  
 James Morton, B.L., Cambuslang  
 Julius Fisher M'Callum, M.A., Paisley  
 Joseph Macnaughtan, M.A., Bearsden  
 William A. Ramsay, B.A. Oxon., Glasgow  
 Alfred Scobie, M.A., Glasgow

## CONSTITUTIONAL LAW AND HISTORY.

*Summer Session, 1892.*

LECTURER—ROBERT T. YOUNGER, LL.B., Advocate.

1st Prize. John Wyllie

2nd Prize. { Charles Herbert Brown, M.A.  
               { Alexander M. Hamilton, M.A.

3rd Prize.	{ James Crawford Findlay, M.A.
	{ James Balfour Paterson
	{ Alfred Scobie, M.A.
	{ Hugh Cowan, M.A.
	{ John Bartholomew, M.A.
	{ Thomas King
	{ Walter Nelson
	{ John Dunn Allison, M.A.
	William A. Ramsay, B.A.
	David B. Pattison, M.A.

## Faculty of Medicine.

### MEDALS AND CERTIFICATES OF MERIT.

#### FORENSIC MEDICINE.

PROFESSOR P. A. SIMPSON, M.A. (Cantab.), M.D.

*Summer, 1892.*

WILLIAM HUNTER MEDAL—Gavin M'Callum

FIRST-CLASS CERTIFICATES OF MERIT (alphabetically arranged).

William M. Holmes	Leonard A. Rowden
John Pearson	Malcolm A. M. Sinclair
John H. Teacher, M.A.	

SECOND-CLASS CERTIFICATES OF MERIT (alphabetically arranged).

Abdullah Abdurahman	Campbell S. Marshall
William Fulton	Hector M. Robertson
William A. Kirkwood	James Thomson, M.A.
Duncan MacDonald	John J. Urwin

#### DISEASES OF WOMEN.

PROFESSOR WILLIAM LEISHMAN, M.D.

*Summer Session, 1892.*

FIRST-CLASS CERTIFICATES (in order of merit).

MEDALLIST—John Morton

John M'Donald, M.A.	Leonard A. Rowden
John Barr Stevens	Alexander R. Ferguson
Charles Wilson	Andrew Wauchope
Hugh Kerr, M.A.	

SECOND-CLASS CERTIFICATES (arranged alphabetically).

William L. Brown	William A. Kirkwood
Archibald P. Campbell	James B. Littlejohn
James Carslaw, M.A.	Alexander S. M'Pherson
John S. Davies, M.A.	William M'Walter
Thomas Divine	James D. R. Monro, M.A.
William S. Harrison	John Paterson, M.A.
William M. Holmes	William J. Richard, M.A.
Robert K. Howat	James J. Robb
Henry E. Jones	Robert Taylor
William S. Young	



## MIDWIFERY.

PROFESSOR WILLIAM LEISHMAN, M.D.

FIRST-CLASS CERTIFICATES (in order of merit).

MEDALLIST—John H. Teacher, M.A.

Johnstone Brown  
 Andrew J. Laird  
 Andrew Christie Park  
 Robert Y. Aitken  
 John A. Naismith  
 Henry B. Causley

John M. Cowan, B.A. (Cantab.)  
 Archibald A. Warden, M.A.  
 James B. Millar  
 Archibald G. Hay, M.A.  
 John J. Urwin  
 Robert Grieve, M.A.

Donald D. Macdonald

SECOND-CLASS CERTIFICATES (alphabetically arranged).

Alexander Cameron  
 James Clark  
 William Copland  
 David A. Dewar  
 John Francis Robert Gairdner  
 David F. Harris, B.Sc.  
 James Hunter, M.A., B.Sc.  
 James R. Jeffrey  
 George L. Kerr  
 Robert R. Manners  
 Campbell S. Marshall  
 Peter Marshall

Duncan M'F. Millar  
 Thomas M'Nay  
 John Pearson  
 Allan Ramsay  
 Hugh Robertson  
 John Selkirk, M.A.  
 Edward P. Sinclair  
 Malcolm A. M. Sinclair  
 John D. Smith  
 James Thomson, M.A.  
 John P. Thomson  
 John Y. Whyte

## MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR MATTHEW CHARTERIS, M.D.

FIRST-CLASS CERTIFICATES (in order of merit).

MEDALLIST—Henry A. Pattullo

Robert Howie  
 William S. Cook, B.Sc.  
 James C. Robertson, M.A. } Equal  
 Archibald N. M'Lellan  
 Robert K. Currie

Alexander Macphail  
 Hugh B. Currie  
 Hugh W. Thomson } Equal  
 Robert Morton  
 John Brownlee, M.A.

SECOND-CLASS CERTIFICATES (in order of merit).

Cuthbert Nairn  
 Hugh Riddell } Equal  
 James Stewart  
 Thomas W. Bayne  
 William M'Cormick  
 Hugh S. B. Nisbet } Equal  
 Robert W. Forrest

Malcolm Watson  
 Farquhar Macrae  
 Thomas D. Brown  
 Thomas J. Forbes } Equal  
 James Mair  
 Alexander Cochran  
 James C. M'Neillie

## PRACTICAL PHARMACY.

*Summer Session, 1892.*

PROFESSOR MATTHEW CHARTERIS, M.D.

WILLIAM HUNTER MEDAL AND FIRST-CLASS CERTIFICATE—

1. William M'Cormick

FIRST-CLASS CERTIFICATES (in order of merit).

2. Harry A. Pattullo  
 3. William S. Cook  
 4. Alfred George Newell  
 5. Robert Howie

6. Thomas Angus  
 7. Alexander Crawford  
 8. Peter S. Buchanan  
 9. John Murray

## SECOND-CLASS CERTIFICATES (in order of merit).

David Legat	} Equal	John Dunlop	} Equal
John F. R. Gairdner		Thomas John Forbes	
Alexander Dodds		James Mair	
Alexander Shearer		Henry Carmichael	} Equal
James Stewart	} Equal	Moses N. M'Lay	
Herbert K. Wallace			
Robert W. Forrest			

## PRACTICE OF MEDICINE.

PROFESSOR WILLIAM T. GAIRDNER, M.D., LL.D., F.R.S.

## THE WILLIAM CULLEN MEDAL—

Thomas Colvin, Glasgow	} Equal
John Francis Robert Gairdner, Glasgow	

## FIRST-CLASS CERTIFICATES (in order of merit)—

Gavin M'Callum, Australia	} Equal
John J. Urwin, Newcastle-on-Tyne	
James F. Gemmill, M.A., Mauchline, Ayrshire	

## SECOND-CLASS CERTIFICATES (in alphabetical order).

Robert Y. Aitken, Dalry, Ayrshire  
 Alexander Cameron, Glasgow  
 Henry B. Causley, Andaman Isles  
 William S. Cook, B.Sc., Greenock  
 Archibald S. Dick, Cathcart, Glasgow  
 William L. Jones, Merthyr Tydvil, Wales  
 Campbell S. Marshall, Glasgow  
 Duncan MacDonald, Glasgow  
 John M'Kie, Barrhill, Ayrshire  
 Alexander Macphail, Glasgow  
 Andrew C. Park, Glasgow  
 William P. Porter, Glasgow  
 Edward P. Sinclair, Australia  
 Malcolm A. M. Sinclair, Ayr  
 John D. Smith, Kilmarnock  
 James Thomson, M.A., Glasgow  
 James L. Watson, Glasgow  
 Malcolm Watson, Glasgow  
 James D. O. Wilson, Drymen, Stirlingshire

## CLINICAL MEDICINE.

PROFESSOR WILLIAM T. GAIRDNER, M.D., LL.D., F.R.S.

THE JOHN HUNTER MEDAL—John Francis Robert Gairdner, Glasgow.

## FIRST-CLASS CERTIFICATES (in order of merit).

John J. Urwin, Newcastle-on-Tyne		Gavin M'Callum, Australia
Alexander Macphail, Glasgow		

## SPECIAL PRIZE.

For Notes of Lectures and Clinical Demonstrations during the  
 Session 1892-93—

Alexander Macphail, Glasgow

## SECOND-CLASS CERTIFICATES (in alphabetical order).

Robert Y. Aitken, Dalry, Ayrshire  
 James Clark, Old Cumnock, Ayrshire

Archibald S. Dick, Cathcart, Glasgow  
 Frederick Dittmar, M.A., Glasgow  
 David F. Harris, B.Sc., Edinburgh  
 John Pearson, Ibrox, Glasgow  
 Hugh Robertson, Milnathort, Kinross-shire  
 James Thomson, M.A., Glasgow  
 Peter Thomson, B.Sc., Dumbarton  
 James L. Watson, Glasgow

## CLINICAL MEDICINE.

PROFESSOR THOMAS M'CALL ANDERSON, M.D.

*Summer Session, 1892.*

FIRST-CLASS CERTIFICATES (in order of merit).

## SENIOR DIVISION.

- |                       |                          |
|-----------------------|--------------------------|
| 1. Robert Guy         | 4. Andrew Findlay        |
| 2. James D. O. Wilson | 5. Charles Stewart       |
| 3. Charles F. Wylie   | 6. Archibald P. Campbell |

## JUNIOR DIVISION.

- |                           |                          |
|---------------------------|--------------------------|
| 1. Andrew C. Park         | 5. William S. Cook       |
| 2. Thomas S. Brodie       | 6. { John Brownlee, M.A. |
| 3. James F. Gemmill, M.A. | { Duncan M'Donald        |
| 4. Hugh Brown Currie      |                          |

*Winter Session, 1892-93.*

## SENIOR DIVISION.

MEDALLIST—William Llewelyn Jones.

FIRST-CLASS CERTIFICATES (in order of merit).

- |                          |                             |
|--------------------------|-----------------------------|
| 1. Alexander J. Brownlee | 5. George Skeen Illingworth |
| 2. { Andrew J. Laird     | 6. { Robert Bruce           |
| { Johnson Marion Smith   | { Duncan M'F. Millar        |
| 3. Henry Blair Causley   | 7. John D. Smith            |
| 4. Duncan MacDonald      | 8. William Donaldson        |

## JUNIOR DIVISION.

MEDALLIST—Edward P. Sinclair.

FIRST-CLASS CERTIFICATES (in order of merit).

- |                             |                       |
|-----------------------------|-----------------------|
| 1. { Alexander MacLennan    | 4. John Ewing Adam    |
| { Hugh Brown Currie         | 5. William D. Findlay |
| 2. William S. Cook, B.Sc.   | 6. John Guy           |
| 3. James C. Robertson, M.A. |                       |

## SURGERY.

PROFESSOR WILLIAM MACEWEN, M.D., LL.D.

## SENIOR DIVISION.

MEDALLIST—Thomas Colvin.

FIRST-CLASS CERTIFICATES (in order of merit).

John J. Urwin  
 John H. Teacher, M.A.  
 Edward P. Sinclair

John M. Cowan, B.A., Cantab.  
 Johnstone Brown } Equal  
 Alexander Dodds }  
 Gavin M'Callum } Equal  
 Peter Thomson, B.Sc. }  
 Robert Grieve, M.A. } Equal  
 Malcolm Macnicol, M.A. }  
 Duncan MacDonald }  
 George B. Buchanan, B.A., Cantab. } Equal  
 John D. Smith }  
 David A. Dewar } Equal  
 Alexander J. Brownlee }

## COMMENDED (in order of merit).

Archibald A. Warden, M.A. } Equal	Thomas Wright
Malcolm A. M. Sinclair }	James B. Robertson
John Pearson }	John Patrick, M.A. } Equal
Hugh Robertson } Equal	Robert R. Manners }
John Crawford }	Thomas M'Nay }
James L. Watson }	John Y. Whyte } Equal
John Selkirk, M.A. }	Duncan F. Brown }
John E. Adam }	Ebenezer Sugden }
George L. Kerr }	Campbell S. Marshall } Equal
Hector M. Robertson }	William P. Porter }
Robert Y. Aitken }	John A. Naismith }

## JUNIOR DIVISION.

MEDALLIST—William Scobie, B.D.

## FIRST-CLASS CERTIFICATES (in order of merit).

Alexander H. Stewart	Hugh B. Currie
James D. O. Wilson	William Lawson

## COMMENDED (in order of merit).

John Knight	Robert B. Barr
James Foulds	John Brownlee, M.A.
Robert Bruce	William Burns
John Reid	

## CLINICAL SURGERY.

PROFESSOR WILLIAM MACEWEN, M.D., LL.D.

## SENIOR DIVISION.

MEDALLISTS { James Murray Young } Equal
{ Robert E. Newton }

## FIRST-CLASS CERTIFICATES (in order of merit).

John L. Howie, } Equal
James D. O. Wilson }
Thomas Wright }
James R. M'C. Miller, M.A. } Equal
John W. Findlay }
Malcolm Macnicol, M.A. } Equal
William Salmond }

## COMMENDED (in order of merit).

Clarence B. Harrison	Alexander Cameron
Peter Marshall	Joseph Scott

## JUNIOR DIVISION.

MEDALLIST—William Burns

FIRST-CLASS CERTIFICATES (in order of merit).

James Gairdner

Arthur R. Anderson

COMMENDED.

David C. Kirkhope

## CLINICAL SURGERY.

PROFESSOR GEORGE BUCHANAN, M.A., M.D., LL.D.

SENIOR DIVISION.

UNIVERSITY MEDAL—John H. Teacher, M.A.

JUNIOR DIVISION.

UNIVERSITY MEDALS { Robert B. Barr  
John M. Manford, M.A. } Equal

FIRST-CLASS CERTIFICATES (in alphabetical order).

Joshua Ferguson, M.A.

Hugh M'Laren

Robert M. Fraser, M.A.

William Macleod

James D. Graham

George B. Murdoch

William Lawson

William Scobie, B.D.

## INSTITUTES OF MEDICINE.

PROFESSOR JOHN GRAY M'KENDRICK, M.D., LL.D., F.R.S.

JOHN HUNTER MEDAL AND FIRST-CLASS CERTIFICATE.

Joshua Ferguson, M.A.

FIRST-CLASS CERTIFICATES (in order of merit).

William Scobie, B.D.

Henry A. Watson, M.A.

John S. M'Kendrick

Ernest A. Walker, M.A.

Robert K. Miller

Alexander Hamilton Stewart

SECOND-CLASS CERTIFICATES (in order of merit).

Samuel Prior

Allan A. Clark

Samuel Anderson

William Clow

James Drummond Graham

Thomas C. Garrett

Adam C. Muir

William Macleod

Robert Buchanan

Norman Macnair

## PRACTICAL PHYSIOLOGY.

*Summer, 1892.*

JOHN HUNTER MEDAL AND FIRST-CLASS CERTIFICATE—

Harry A. Pattullo

FIRST-CLASS CERTIFICATES (in order of merit).

James F. Gemmill, M.A. } Equal  
Alexander MacLennan }

James C. Robertson, M.A.

John Brownlee, M.A.

SECOND-CLASS CERTIFICATES (in order of merit).

Peter L. L. Craig, M.A.

John Reid

Herbert K. Wallace

Robert Howie } Equal

William Clow

Hugh Riddell }

Robert W. Forrest

David Glen

Hugh W. Thomson

Donald MacDonald



## ANATOMY.

PROFESSOR JOHN CLELAND, M.D., LL.D., D.Sc., F.R.S.

## SENIOR CLASS.

MEDAL—Joshua Ferguson, M.A.

## FIRST-CLASS CERTIFICATES OF MERIT.

Henry A. Watson, M.A.	John M. Manford, M.A.
William Scobie, B.D.	William Clow
Herbert K. Wallace.	

## SECOND-CLASS CERTIFICATES OF MERIT.

James Foulds	} Equal	John H. Douglas	} Equal
William Lawson		William Macleod	
Samuel Prior	} Equal	Archibald Young	
Peter L. L. Craig, M.A.		John S. M'Kendrick	
Ernest A. Walker, M.A.		Robert Buchanan	
Anthony Vost			

## JUNIOR CLASS.

MEDAL—James Alston

## FIRST-CLASS CERTIFICATES OF MERIT.

Hugh Calderwood	} Equal
Harry M. Kyle	
William G. Liston	

## SECOND-CLASS CERTIFICATES OF MERIT.

Laurence A. Mackenzie	} Equal	Laurence W. Harrison	} Equal
Walter S. Findlay, M.A.		David M'Kail	
Thomas Hunter	} Equal	John G. W. Boleyn	} Equal
David J. Young		James M'Queen, M.A.	

## EMBRYOLOGY AND SURGICAL ANATOMY.

*Summer, 1892.*

## PRIZES.

- |                           |                        |
|---------------------------|------------------------|
| 1. James F. Gemmill, M.A. | 2. Alexander MacLennan |
|---------------------------|------------------------|

## CERTIFICATES OF MERIT (in order of merit)

James C. Robertson, M.A.	} Equal	Robert W. Forrest
David Ligat		Robert Morton
Peter L. L. Craig, M.A.		Alexander Macphail
		John Brownlee, M.A.

## NATURAL HISTORY.

PROFESSOR JOHN YOUNG, M.D.

## ZOOLOGY.

*Summer, 1892.*

## WILLIAM HUNTER MEDAL AND FIRST-CLASS CERTIFICATE.

Joshua Ferguson, M.A.

## SECOND-CLASS CERTIFICATES.

William G. Bennett, LL.B.	John L. Carstairs
Samuel J. Hourston	John Young
John T. Bowie	

## DEGREE AND PRIZE LIST.

*Winter Session, 1892-93.*

## WILLIAM HUNTER MEDALS AND FIRST-CLASS CERTIFICATES.

George Clark  
William Martin, M.A. } Equal

## SECOND-CLASS CERTIFICATES.

Hugh Borland  
Walter S. Findlay, M.A. } Equal  
James M'Queen, M.A. } Equal  
James S. Ormond  
William C. Burns  
David L. Cairns } Equal  
John W. Little }  
George Coats  
Laurence A. M'Kenzie  
Joseph A. Clarke

Anderson G. M'Kendrick } Equal  
Donald S. Sutherland }  
John A. C. Macewen }  
Robert Carswell, M.A. } Equal  
John Crow  
Robert Scott  
Thomas Cochran  
Francis J. Charteris  
Henry N. Turner

## PRACTICAL ZOOLOGY.

*Summer, 1892.*

## WILLIAM HUNTER MEDAL AND FIRST-CLASS CERTIFICATE.

Thomas C. Garrett

## SECOND-CLASS CERTIFICATES.

Henry A. Watson, M.A. | James Foulds

*Winter Session, 1892-93.*

## WILLIAM HUNTER MEDAL AND FIRST-CLASS CERTIFICATE.

Hugh Calderwood

## SECOND-CLASS CERTIFICATES.

John G. Woodrow | James Alston

## GEOLOGY.

## WILLIAM HUNTER MEDAL AND FIRST-CLASS CERTIFICATE.

James Rankin

## SECOND-CLASS CERTIFICATES.

William Carrick Anderson } Equal  
William Wallace }

## BOTANY.

## PROFESSOR F. O. BOWER, D.Sc., F.R.S.

## MEDAL AND FIRST-CLASS CERTIFICATE.

William Scobie, B.D. (medal)

## SECOND-CLASS CERTIFICATES.

Hugh Calderwood } Equal  
Adam Muir }  
William Lawson  
Robert K. Miller } Equal  
Henry A. Watson, M.A. }  
George Clark  
John S. M'Kendrick

Ernest A. Walker, M.A.  
James Good  
Alex. Hamilton Stewart } Equal  
James Foulds }  
Alexander Stevenson } Equal  
John Gillan, M.A. }

## PRACTICAL CLASS.

## MEDAL AND FIRST-CLASS CERTIFICATE.

Anthony Vost

## FIRST-CLASS CERTIFICATE.

James C. M'Clure

## SECOND-CLASS CERTIFICATES.

William G. Liston  
 Thomas S. Goodwin  
 George Clark  
 John Gillan, M.A.  
 John S. M'Kendrick

John A. Graham  
 James D. Graham  
 John N. Robertson  
 Thomas Bell

## CHEMISTRY—PRACTICAL CLASS.

*Summer, 1892.*

PROFESSOR JOHN FERGUSON, M.A., LL.D., F.S.A.

JOSEPH BLACK MEDAL AND FIRST-CLASS CERTIFICATE.

Robert K. Miller

## FIRST-CLASS CERTIFICATES.

John L. Anderson  
 Robert B. Barr  
 James Foulds

James D. Graham  
 George M'Pherson  
 William H. de Hyde Wytt

## SECOND-CLASS CERTIFICATES.

James M'Clure  
 Edward Mackay

Noel C. Ward

## CHEMISTRY.

PROFESSOR JOHN FERGUSON, M.A., LL.D., F.S.A.

JOSEPH BLACK MEDAL AND FIRST-CLASS CERTIFICATE.

Archibald Smellie

## SECOND-CLASS CERTIFICATES.

James Alston  
 Walter Colquhoun, M.A.  
 Thomas Hunter, M.A.

Harry M. Kyle  
 David M'Kail  
 Gardiner H. Mackillop

## PRACTICAL PATHOLOGY.

*Summer, 1892.*

LECTURER—JOSEPH COATS, M.D.

JOHN HUNTER MEDAL—James D. O. Wilson

PRIZES—Gavin M'Callum and John J. Urwin

## FIRST-CLASS CERTIFICATES.

John Pearson  
 John Y. Whyte

Alexander S. Robertson  
 Johnstone Brown } Equal

## SECOND-CLASS CERTIFICATES.

Malcolm A. M. Sinclair

Robert Y. Aitken  
 James Clark } Equal

Robert Boyd

John W. Findlay

James Hunter, M.A., B.Sc.

John Patrick, M.A.

Abdullah Abdurahman

Allan M. Robertson

} Equal

## PATHOLOGY.

LECTURER—JOSEPH COATS, M.D.

JOHN HUNTER MEDAL—William S. Cook, B.Sc.

## FIRST-CLASS CERTIFICATES.

John Brownlee, M.A.	} Equal	Robert Howie	} Equal
John Francis Robert Gairdner		Hugh B. Currie	
James C. Robertson, M.A.	} Equal	Archibald N. M'Lellan	
James F. Gemmill, M.A.		Alexander Macphail	
Henry A. Pattullo		George Mowat	
Malcolm Watson			

## SECOND-CLASS CERTIFICATES.

John Drummond	} Equal	Henry Carmichael	} Equal
David Glen		Archibald S. Dick	
Cuthbert Nairn		Charles H. Lumsden	
Hugh W. Thomson		Robert Morton	} Equal
David Ligat	} Equal	William Salmon	
Donald Maclean		Edward N. Burnett	} Equal
Alexander M'Lennan		James Mair	
James Thomson, M.A.		William D. Miller	
		Alfred G. Newell	

## PHYSICS.

PROFESSOR LORD KELVIN, LL.D., D.C.L., P.R.S.

MAGNUS MACLEAN, M.A., F.R.S.E.

JOSEPH BLACK MEDAL AND FIRST-CLASS CERTIFICATE.

William Craig Henderson

## CERTIFICATES OF THE FIRST-CLASS.

John L. Morison | George J. Cole

## CERTIFICATES OF MERIT.

Ian G. P. Alston	}	William B. Hunter
William Findlay M'Indoe		David S. Smith
Joseph Muir Corbett		Alex. Smith Allan
James Carruthers		Charles C. Cumming
Ernest Watt		John Laird Simpson

## Faculty of Arts.

## ENGINEERING.

PROFESSOR ARCHIBALD BARR, D.Sc., M.Inst. C.E.

THE GEORGE HARVEY PRIZE OF £20.

Lawrence Spear, U.S.A.

Next in Order of Merit.

2. Richard M. Watt, U.S.A.

3. John H. A. M'Intyre, Glasgow

WALKER PRIZES FOR WRITTEN EXAMINATIONS.

1. John H. A. M'Intyre, Glasgow
2. { James Holm, M.A., Leicester } Equal  
{ Robert Kennedy, Kilmarnock }

Next in Order of Merit.

4. { Gardiner H. Mackillop, Glasgow } Equal  
 { Walter Stewart, M.A., Coatbridge }

WALKER PRIZES FOR ORAL EXAMINATION.

1. John H. A. M'Intyre, Glasgow
2. Robert Kennedy, Kilmarnock

CLASS IV.

1. Lawrence Spear, U.S.A.
2. Robert Kennedy, Kilmarnock.

Next in Order of Merit.

3. Johannes Bruhn, Denmark
4. Richard M. Watt, U.S.A.

CLASS II.

1. { Alexander G. Craig, Dumbarton } Equal  
 { John H. A. M'Intyre, Glasgow }

Next in Order of Merit.

Gardiner H. Mackillop, Glasgow

CLASS I.

1. Harold D. Jackson, Isle of Man
2. James Holm, M.A., Leicester

Next in Order of Merit.

3. Lewis A. Smart, Glasgow

Recommended for Muir Bursaries.

Alexander G. Craig, Dumbarton

Gardiner H. Mackillop, Glasgow

SENIOR CLASS OF ENGINEERING DRAWING AND CALCULATION.

1. { Allan Coats, Paisley }  
 { John Malcolm, Glasgow }

Next in Order of Merit.

3. Gardiner H. Mackillop, Glasgow

MIDDLE CLASS OF ENGINEERING DRAWING AND CALCULATION.

1. Robert D. Cassells, Pollokshields
2. Thomas M. Aitken, Pollokshields

Next in Order of Merit.

3. Archibald F. Maclaren, Pollokshields

JUNIOR CLASS OF ENGINEERING DRAWING AND CALCULATION.

Frank Armstrong, Bristol

Next in Order of Merit.

2. { Stanley W. Richards, Bournemouth } Equal  
 { George D. Ross, Cape Colony }

NAVAL ARCHITECTURE, INCLUDING MARINE ENGINEERING.

PROFESSOR J. H. BILES.

SENIOR CLASS.

Lawrence Spear, U.S.A.

Johannes Bruhn, Denmark, for Excellence in Drawing Class Work

JUNIOR CLASS.

Frank B. Zahm, U.S.A.

Robert Kennedy, Kilmarnock, as Best Engineering Student

EVENING CLASS.

James R. Jack, Dumbarton



## MATHEMATICS.

PROFESSOR WILLIAM JACK, LL.D.

## JUNIOR.

1. Coll A. Macdonald
2. James M'Cosh
3. James Buchanan

## MIDDLE—DIVISION A.

1. Adam Hamilton
2. Percy Hepburn
3. Alexander M. Hill

## MIDDLE—DIVISION B.

1. Adam B. Stewart
2. James Moffat
3. { George Lyon } Equal  
  { Colin M. Morison }
5. { John Cumming } Equal  
  { Andrew D. Murdoch }

WRITTEN EXAMINATIONS—Open to both Divisions of the Class.

1. Adam B. Stewart
2. James Moffat

Mr. Stewart also obtains the Muir (Junior) Mathematical Bursary, subject to the conditions in the Calendar.

## SENIOR.

1. James S. Dunlop
2. William A. Lindsay
3. Charles W. Thomson
4. James W. Copeland
5. { James W. Peck } Equal  
  { Henry A. Williamson }

Mr. Dunlop also obtains the Muir (Senior) Mathematical Bursary, subject to the conditions in the Calendar.

## UPPER SENIOR.

1. Charles S. Dougall (Cunninghame Gold Medal)
2. Archibald C. M'Gilchrist

## ASTRONOMY.

PROFESSOR LUDWIG BECKER, Ph.D.

1. James S. Dunlop, Greenock
2. Peter Carmichael, Glasgow
3. Robert Buchanan, Ayr

## NATURAL PHILOSOPHY.

PROFESSOR LORD KELVIN, D.C.L., LL.D., Pres.R.S.

## FIRST YEAR STUDENTS.

1. William Craig Henderson, Glasgow
2. Malcom Dunlop, Greenock
3. James Slater Dunlop, Greenock
4. { Robert G. Nisbet, Pollokshields }  
  { James Rodger, Glasgow }
6. { Archibald C. M'Gilchrist, Bowmore, Islay }  
  { James W. Peck, Glasgow }
8. James Lyle, Rothesay

9. { Hugh Calderwood, Kilmarnock  
  { James W. Smith Dalmellington
11. { John M'A. Dickie, Kilmarnock  
  { Ebenezer Mitchell, Kilmarnock
13. Thomas M. Aitken, Pollokshields
14. { John Anderson, Denny  
  { Peter D. Strachan, Barvas, Stornoway
16. { Colin M. Morison, Greenock  
  { David H. M'Curtain, Glasgow
18. { George Lyon, Ardnamont  
  { Edwin S. Munro, Coatbridge
20. William L. Ramsay, Ayr

## SECOND-YEAR STUDENTS.

1. Charles W. Thomson, Dennistoun
2. Alexander G. Craig, Dumbarton

## ADVANCED NATURAL PHILOSOPHY CLASS.

George E. Allan, Glasgow  
 Alexander G. Craig, Dumbarton  
 Homer L. Ferguson, United States Navy

## LABORATORY STUDENTS.

Henry B. Brunner, B.A., Liverpool  
 William Parry, Glasgow

## MORAL PHILOSOPHY.

PROFESSOR EDWARD CAIRD, LL.D., D.C.L.

A. Prizes for General Eminence in the Essays, Exercises, and  
 Examinations of the Class.

1. (Buchanan Prize), Ebenezer Scott, Glasgow
2. { Henry N. Brailsford, Glasgow  
  { William Parker Hanks, Wanstead, Essex
4. Ephraim M. Henderson, Ayr
5. John A. Duke, Campsie
6. John C. Scott, Carlisle
7. John C. Chalmers, Cumbernauld
8. Robert G. Nisbet, Pollokshields
9. James Law, Glasgow
10. { James Ferguson, Crosshill  
  { Colin M. Morison, Greenock
12. Hugh Jenkins, Dennistoun, Glasgow
13. { Andrew M'Lachlan, Rothesay  
  { Duncan M. MacRae, Stornoway
15. { John MacDonald, Glenurquhart, Inverness  
  { James W. Gardner, Glasgow
17. { Thomas Scott, Perth  
  { James Holburn, Stewarton  
  { John Simpson, Glasgow

B. Prizes for Summer Work.

I. For the best Examination on Plato's "Republic"—

John A. Duke, Campsie

II. For the best Examination on Ferrier's "Lectures" and Zeller's  
 "Socrates"—Ephraim M. Henderson, Ayr

## HIGHER MORAL PHILOSOPHY CLASS.

## A. Prizes for Distinction in Written and Oral Examinations.

1. Gavin L. Pagan, Bothwell
2. Gilchrist G. Alexander, Partick

## B. Prize for Summer Work.

For the best Examination on Plato's Works—Gavin L. Pagan, Bothwell

## POLITICAL ECONOMY CLASS.

WILLIAM SMART, M.A., LL.D.

1. Robert Bruce Taylor, M.A., Row, Dumbartonshire
2. Andrew S. Macharg, Glasgow

## LOGIC AND RHETORIC.

PROFESSOR JOHN VEITCH, LL.D.

## I. For Eminence in the Work of the Class during the Session, as shown in Oral and Written Examinations and Essays:—

First Prize, open to the whole Class (The Buchanan Prize)—  
Peter D. Pringle, Glasgow

## SENIOR DIVISION.

1. William Boyd, Kilmarnock
2. Angus King, Glasgow
3. Peter Couper, Rothesay
4. { John Simpson, Glasgow  
William Campbell Smith, Glasgow
5. { Alexander Smith, Glasgow  
William Morrison, Lyleston, Cardross
6. { Edward H. Wallace, Hamilton  
John L. C. Tulloch, Glasgow
- { Joseph Muir, Glasgow
- { James Dick, Glasgow
- { Archibald H. Charteris, Glasgow
8. { Thomas R. Anderson, Glasgow
- { Samuel H. M'Ewing, Glasgow
9. Joseph Shillinglaw, Glasgow
10. { Robert Simpson, Gourrock
- { William J. N. Service, Glasgow

## JUNIOR DIVISION.

John A. Todd, Glasgow

## II. Work prepared during the Summer Vacation.

## A. Students of Session 1892-93.

Preliminary Examination in Institutes of Logic and Descartes.

1. { William Boyd, Glasgow
- { Angus King, Glasgow
2. Thomas R. Anderson, Glasgow

## B. Students of Session 1891-92.

- (a) ESSAY (1)—Hume, Kant, and Hamilton on Causality.  
John A. Duke, Free Church Manse, Campsie
- (2) Nominalism, Conceptualism, and Realism.  
{ James Hamilton, Greenock

{ John A. Duke, Campsie

## (b) READING.

- (1) Hamilton's Discussions—John A. Duke
- (2) Descartes—John A. Duke
- (3) Hoffding's Psychology—John A. Duke

## HIGHER CLASS—LOGIC AND METAPHYSICS.

Essay on the Method of Hegel.

1. Gilchrist G. Alexander, Partick
2. John M. Connor, Crosshill, Glasgow

General Written Examination.

Gilchrist G. Alexander

## ENGLISH LITERATURE.

PROFESSOR ANDREW C. BRADLEY, M.A.

1. (The Buchanan Prize) Henry N. Brailsford, Glasgow
2. Daniel Scott, Glasgow
3. William Gow, Coupar-Angus
4. Edward H. Wallace, Hamilton
5. { John A. Duke, Campsie  
Peter D. Pringle, Coatbridge } Equal
7. Andrew M. Barr, Glasgow
8. { Archibald H. Charteris, Glasgow  
Archibald M'Callum, Glasgow  
John R. Tannahill, Paisley } Equal
11. { Angus King, Glasgow  
John C. Scott, Carlisle } Equal
13. Robert S. M'Kim, Glasgow
14. James Dick, Glasgow
15. Joseph Muir, Glasgow
16. Hugh Mackinnon, Mull

## GREEK.

PROFESSOR GEORGE G. A. MURRAY, B.A.

## I. Prizes for General Excellence in Work during the Session.

SENIOR AND PRIVATE CLASS, 2 P.M.

Charles W. Thomson		Andrew Robertson
Ephraim M. Henderson		{ James C. Kinnis
William K. Gillies		{ Campbell M. Macleroy

GREEK PROSE—Ephraim M. Henderson

SENIOR CLASS, 8 A.M.

JEFFREY GOLD MEDAL—George S. Adams

ORDINARY PRIZES.

1. William G. Bell		6. Adam B. Stewart
2. Thomas Nelson		7. James Johnston
3. William L. Parkin		8. James Pollock
4. James W. Copeland		9. William A. Lindsay
5. John M. Ramsay		10. Hugh MacGregor

SPECIAL PRIZE—William J. S. Miller

UPPER MIDDLE CLASS, 10 A.M.

SCOTT-MACFARLAN GOLD MEDAL—Adam Hamilton

## ORDINARY PRIZES.

- |                      |                        |
|----------------------|------------------------|
| 1. John W. Henderson | 5. { Duncan Cameron    |
| 2. James Fleming     | 6. { James D. Mitchell |
| 3. Percy Hepburn     | 7. Neil Ross           |
| 4. Allan Gibson      | 8. James M'Murtrie     |

## SPECIAL PRIZE—John Miller

## LOWER MIDDLE CLASS, 10 A.M.

- |                      |                      |
|----------------------|----------------------|
| 1. Henry J. Phillips | 4. James Wishart     |
| 2. William Douglas   | 5. John M. Mackinnon |
| 3. Peter Lowson      |                      |

## SPECIAL PRIZE—Arthur B. Carruthers

## JUNIOR CLASS, 12 NOON.

- |                   |                    |
|-------------------|--------------------|
| 1. James B. Gray  | 3. Andrew Scouller |
| 2. James L. Brown |                    |

## II. Prizes for Vacation Work.

- Greek Prose—Adam B. Stewart  
John R. Tannahill
- Repetition of *Æschylus' Agamemnon*—William Gow
- Examination on *Æschylus' Agamemnon*—George S. Adams
- Examination on Euripides' *Iphigencia in Tauris*—John W. Henderson

## BLACKSTONE EXAMINATION.

COWAN GOLD MEDAL—Henry N. Brailsford

SANDFORD SCHOLARSHIP—Robert G. Nisbet

## HUMANITY.

PROFESSOR GEORGE G. RAMSAY, M.A., LL.D., LITT.DOC.

- I. Prizes for General Eminence during the Session, awarded according to the Result of Written Examinations.

## JUNIOR CLASS, 8 A.M.

- John A. M'Maccormick, Mull (Pennyghael Public School)
- James B. Gray, Lesmahagow (St. John's Grammar School)
- William Stevenson, Kilwinning (Irvine Academy)
- Andrew Scouller, Dalry (Harthill Public School, Shotts)
- Kenneth Ross, Gairloch, Ross (Gairloch Public School)

## MIDDLE CLASS, at 8 and 11 A.M.

- Adam Hamilton, Paisley (Grammar School)
- John Buchan, Perth (Hutchesons' Grammar School)
- Allan Gibson, Paisley (Neillson Institution)
- James L. Skilling, Glasgow (St. George's Road Public School)
- William R. M'Cracken, Dalry (West End Public School)
- Duncan Cameron, Greenock (Holmcroft Public School)
- Andrew Stewart, Glasgow (Campbeltown Grammar School)
- { John W. Henderson, Glasgow (Garnethill Public School)  
{ Percy Hepburn, Newcastle (Hutchesons' Grammar School)

## SENIOR CLASS, 9 A.M.

- Cowan Gold Medallist and First Prizeman—William A. Lindsay, Pollokshaws (John Street Public School)
- George S. Adams, Hamilton (St. John's Grammar School)
- John Miller, Glasgow (Gorbals Public School)
- Thomas Nelson, Paisley (Grammar School)



5. { James M'Murtrie, Morpeth (Spittalfield Public School)
6. { James Pollock, Barrhead (Hutchesons' Grammar School)
7. James W. Copeland, Glasgow (High School)
8. Robert C. Pollock, Greenock (Highlanders' Academy)

## SENIOR AND PRIVATE CLASS, 1 P.M.

The Muirhead Prize, for the Best Examination on the Lectures and Prelections delivered during the Session. The Books read were: Lucretius, I., II., III. (parts); Horace, *Epistles* II., and *Ars Poetica*; Juvenal, *Sat.*; Virgil, *Æn.* VIII.

1. Charles W. Thomson, Glasgow (Hutchesons' Grammar School)
2. John S. Thomson, Kingarth (Rothsay Academy)
3. William K. Gillies, Beith (Spiers' Academy)

## FOR LATIN PROSE COMPOSITION—SENIOR CLASS.

## SECTION I.

1. Charles W. Thomson, Glasgow (Hutchesons' Grammar School)
2. Robert G. Nisbet, Strathaven (Hutchesons' Grammar School)

## SECTION II.

William L. Parkin, Wishaw (Northampton Grammar School)

## VACATION EXERCISES.

- I. For the Best Examination in *Livy*, Book I.; Horace, *Odes* I.; Virgil, *Eclogues*.

## OPEN TO THE SENIOR CLASS OF 1892-93.

Robert Simpson, Chicago (Gourock Public School)

- II. For the Best Examination in Virgil, *Æn.* II.; Cicero, *Cat.* III.-IV.

## OPEN TO MEMBERS OF JUNIOR CLASS OF 1891-92.

No competition.

- III. For Latin Prose.—For the Best Translation from Walter Savage Landor.

## OPEN TO THE SENIOR CLASS OF 1891-92.

John R. Tannahill, Crosshill (Paisley Grammar School)

- IV. For Latin Prose Translation from a Passage of Lord Macaulay.

## OPEN TO THE SENIOR CLASS OF 1892-93.

Thomas Nelson, Paisley (Grammar School)

- V. For Latin Prose.—For the Best Translation into Latin of a Passage from the *Students' Rome*.

## OPEN TO THE JUNIOR CLASS OF 1891-92.

Robert A. Gray, Lesmahagow (St. John's Grammar School)

## THE BLACKSTONE EXAMINATION.

Cowan Gold Medal—David G. Webster, Helensburgh (Larchfield Academy)

## WOMEN'S DEPARTMENT.

---

Faculty of Arts.

---

## LOGIC AND METAPHYSICS.

PROFESSOR JOHN VEITCH, LL.D., AND R. M. WENLEY, M.A., D.Sc.

PRIZE AND FIRST-CLASS CERTIFICATE.

Penelope M. Ker

---

## MORAL PHILOSOPHY.

PROFESSOR EDWARD CAIRD, LL.D., D.C.L., AND R. A. DUFF, M.A.

PRIZE AND FIRST-CLASS CERTIFICATE.

Sarah L. Blair

FIRST-CLASS CERTIFICATE.

Isabella Blacklock

---

## POLITICAL ECONOMY.

WILLIAM SMART, M.A., LL.D.

FIRST-CLASS CERTIFICATE.

Catherine H. Davidson

---

## MATHEMATICS.

PETER ALEXANDER, M.A.

FIRST-CLASS CERTIFICATES.

Helen Rutherford

| Marion M. Crichton

SECOND-CLASS CERTIFICATES.

Marjorie K. H. Fleming

| Margaret Balderston

---

## LATIN.

ALEXANDER MURDOCH.

FIRST-CLASS CERTIFICATES.

Marion M. Crichton

| Helen Rutherford

SECOND-CLASS CERTIFICATES.

Auguste M. Boyes

| Margaret Balderston

Marjorie K. H. Fleming

---

## ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR A. C. BRADLEY, M.A., AND C. W. EGERTON, M.A.

PRIZE AND FIRST-CLASS CERTIFICATE.

Isabella Blacklock

FIRST-CLASS CERTIFICATES.

Louise M. Stewart

| Sarah L. Blair

## SECOND-CLASS CERTIFICATES.

Margaret Fraser

Margaret J. Graham

## FRENCH LANGUAGE AND LITERATURE.

JULES A. L. KUNZ AND J. K. DE DREUX KUNZ, M.A. ED., B.A. PARIS.

## PRIZE AND FIRST-CLASS CERTIFICATES.

Agnes Macdonald	} Equal
Ruth Pirret	

## FIRST-CLASS CERTIFICATE.

Janet D. Ross

## SECOND-CLASS CERTIFICATE.

Isabel A. Maclay

## GERMAN LANGUAGE AND LITERATURE.

ALEXANDER TILLE, M.A., PH.D.

## PRIZE AND FIRST-CLASS CERTIFICATE.

Agnes Lillias Stiell

## FIRST-CLASS CERTIFICATES.

Jane G. Stiell  
Mabel R. Brailsford

Isobel Yuill

## SECOND-CLASS CERTIFICATES.

Helen J. M'Cutcheon

Agnes J. Duncan

## Faculty of Medicine.

## PHYSICS.

PROFESSOR BLYTH, M.A., F.R.S.E.

## PRIZE AND FIRST-CLASS CERTIFICATES.

Mary Gardner	} Equal
Jessie H. Smith	

## SECOND-CLASS CERTIFICATES.

Agnes R. Robson  
Daisy A. M. Clark  
Daisy A. BennettMargaret E. M'Neill  
Catherine L. Smith

## CHEMISTRY.

ALEXANDER JOHNSTONE.

## SYSTEMATIC.

## PRIZE AND FIRST-CLASS CERTIFICATE.

Auguste M. Boyes

## DEGREE AND PRIZE LIST.

## SECOND-CLASS CERTIFICATES.

Catherine L. Smith  
Ruth Pirret  
Mary Gardner  
Agnes R. Robson

Jessie H. Smith  
Daisy A. M. Clark  
Daisy A. Bennett

## PRACTICAL.

## PRIZE AND FIRST-CLASS CERTIFICATE.

Catherine L. Smith

## FIRST-CLASS CERTIFICATES.

Auguste M. Boyes  
Jessie H. Smith

Ruth Pirret

## SECOND-CLASS CERTIFICATES.

Mary Gardner  
Sara Whiteford  
Agnes R. Robson  
Daisy A. Bennett

Daisy A. M. Clark  
Margaret E. M'Neill  
Jessie S. Hunter

## ZOOLOGY.

PROFESSOR JOHN YOUNG, M.D., AND JAMES RANKIN, B.Sc.

## SECOND-CLASS CERTIFICATES.

Agnes R. Robson  
Jessie H. Smith

Catherine L. Smith

## JUNIOR ANATOMY.

THOMAS H. BRYCE, M.A., M.B.

## FIRST-CLASS CERTIFICATE.

Lucy Buckley

## PHYSIOLOGY.

J. M'GREGOR ROBERTSON, M.A., M.B.

## PRIZE AND FIRST-CLASS CERTIFICATE.

Lucy Buckley

## FIRST-CLASS CERTIFICATES.

Ursula Chaplin  
Mary B. Hannay

Agnes J. Anderson  
Emmeline M. Stuart

## SECOND-CLASS CERTIFICATES.

Mary R. Riddall  
Roberta H. M. Stewart

Edith E. Goodrich  
Norah Kemp

## PATHOLOGY.

JOHN LINDSAY STEVEN, M.D.

## PRIZE AND FIRST-CLASS CERTIFICATES.

Marion Gilchrist  
Elizabeth D. Lyness } Equal

## FIRST-CLASS CERTIFICATES.

Margaret C. Dewar  
Amy C. Dewar

Alice L. L. Cumming

---

 SURGERY.

WILLIAM JAS. FLEMING, M.D.

## SYSTEMATIC.

FIRST-CLASS CERTIFICATE.

Kate I. Clutterbuck

SECOND-CLASS CERTIFICATES.

Amy G. Lillingston  
Agnes J. Anderson

Ursula Chaplin

## CLINICAL.

PRIZE—Ursula Chaplin

---

 PRACTICE OF MEDICINE.

J. WALLACE ANDERSON, M.D.

FIRST-CLASS CERTIFICATE.

Jennie R. Wells

SECOND-CLASS CERTIFICATES.

Mary C. Horner  
Catherine Howie

Kate K. Paton

---

 MIDWIFERY.

MURDOCH CAMERON, M.D.

FIRST-CLASS CERTIFICATES.

Jenny R. Wells

Amy G. Lillingston.

SECOND-CLASS CERTIFICATE.

Kate K. Paton



## XI.—EXAMINATION QUESTIONS.

### PRELIMINARY EXAMINATION IN ARTS AND SCIENCE.

The October papers in English, Latin, Greek, and Mathematics were the papers set in the Bursary Competition.

#### ENGLISH.

October, 1892.

*Not more than NINE questions must be attempted. Two of these nine must be questions 1 and 2. Of the remainder TWO must be taken from Section I., TWO from Section II., and ONE from Section III.*

#### SECTION I.

1. Write an essay, about two pages long, on any book which you have lately read, or on any place which you have lately visited.

2. Paraphrase the following lines:—

Now, my co-mates and brothers in exile,  
Hath not old custom made this life more sweet  
Than that of painted pomp? Are not these woods  
More free from peril than the envious court?  
Here feel we but the penalty of Adam,  
The seasons' difference; as the icy fang  
And churlish chiding of the winter's wind;  
Which, when it bites, and blows upon my body,  
Even till I shrink with cold, I smile and say,  
'This is no flattery; these are counsellors  
That feelingly persuade me what I am.'  
Sweet are the uses of adversity,  
Which, like the toad, ugly and venomous,  
Wears yet a precious jewel in his head.

3. Write a list of those words in the above passage which are of Latin origin, underlining in your list any that have come through French, and giving the derivations of any four. Add the derivations of four of the following:—*preface, constable, verdict, pagan, sceptre, darling, nostril*.

4. Explain the meaning of the terms:—*predicate, abstract noun, weak verb, adverbial clause, conjunctive mood*. Parse the italicised words in the following sentences:—*Where are you going? I am going to ride: I am tired of reading. You may go, if you please. The pony is yours, and it is some hours to sunset.*

5. Point out, and correct, any errors in the following sentences :—

- (a) I doubt that his partiality has carried him too far.
- (b) All who say so are not to be believed.
- (c) Neither of these kind of clothes ever wear well.
- (d) Let every one please themselves.
- (e) Is it me you mean?
- (f) I found him better than I expected to have found him.

6. Explain the meaning of the statement that modern English is comparatively an uninflected language. Illustrate your answer by comparing an English sentence with a Latin, or a German, sentence.

7. Give an account (a) of one of the leading characters in *Ivanhoe*, or *Guy Mannering*, or *Old Mortality*, or *The Heart of Midlothian*; and (b) of one of the following Shakespearean characters :—Hamlet, Lady Macbeth, Cassius, Rosalind, Coriolanus, Portia (of Belmont).

## SECTION II.

8. Write a brief account of any *two* of the following :—(a) St. Dunstan, David I., Henry II., Stephen Langton, Wycliffe, the Regent Murray, Raleigh, Strafford, Sir Robert Walpole, Burke, Peel.

9. Describe briefly, and explain the importance of, *two* of the following :—(a) The Treaty of Wedmore, (b) The Signing of Magna Charta, (c) The Battle of Halidon Hill, (d) The 'Black Death,' (e) The Battle of Bosworth, (f) The Fall of Wolsey.

10. Describe briefly, and explain the importance of, *two* of the following :—(a) The Murder of Darnley, (b) The Career of Drake, (c) The Trial of Hampden, (d) The Revolution of 1688, (e) The Attack on the Tea Ships in Boston Harbour, (f) The Reform Bill of 1832.

11. What is meant by the following :—Party Government, Representative Government, Civil Rights, Limited Monarchy, the Cabinet, Protective Tariffs, Indirect Taxation?

## SECTION III.

12. Compare, with reference to geographical situation, the commercial advantages of Glasgow, Liverpool, Hull, and Bristol.

13. Why should its geographical position make Constantinople of great political importance?

14. Describe precisely the position of *eight* of the following :—Trafalgar, the Gulf of St. Lawrence, Trieste, the Congo, the Strait of Sunda, Plevna, Honolulu, New Guinea, Batoum, Herat, Cuba, Buenos Ayres, Yeddo, Oude, Valparaiso, the Yellow Sea, the Victoria Nyanza.

3rd April, 1893.

## FIRST PAPER.

*Not more than FIVE questions must be attempted. Two of these must be questions 1 and 2.*

1. Write an essay, about two pages long, on Tennyson, or on a celebrated historical event.

## 2. Paraphrase the following lines :—

Abhorred slave,

Which any print of goodness wilt not take,  
 Being capable of all ill ! I pitied thee,  
 Took pains to make thee speak, taught thee each hour  
 One thing or other ; when thou didst not, savage,  
 Know thine own meaning, but wouldst gabble like  
 A thing most brutish, I endowed thy purposes  
 With words that made them known. But thy vile race,  
 Though thou didst learn, had that in't which good natures  
 Could not abide to be with ; wherefore wert thou  
 Derservedly confined into this rock,  
 Who hadst deserved more than a prison.

3. Analyse the above lines from "Abhorred slave" to "With words that made them known."

4. From what Latin words are *abhorred*, *capable*, *brutish*, and *confined* derived ? Derive and account for the form of the words *print*, *pitied*, *savage*, and *prison*.

5. Parse the words in italics :—Let him *go*. I had rather die than *cheat*. The more I see him, *the* less I like him. My friend has gone *a* wool gathering. Woe *worth* the day.

6. What is meant by a Figure of Speech ? Define and give examples of Metaphor, Antithesis, Epigram and Irony. What is meant by a Mixed Metaphor ?

7. Correct the errors and ambiguities in the following sentences, and give reasons for your correction :—

(a) The boy stood on the burning deck,  
 Whence all but he had fled.

(b) Between such a Scylla and Charybdis who can steer clear ?

(c) There were very few passengers who escaped without serious injury.

(d) No stronger and stranger a figure than him is described in the modern history of England.

(e) It would have been wrong to have refused his kindness.

## SECOND PAPER.

[Not more than six questions must be attempted. Of these TWO must be selected from Section I., TWO from Section II., ONE from Section III. The sixth may be taken from any Section of the paper.]

## SECTION I.

1. Trace the influence of the Revival of Learning, or of Puritanism, or of the Restoration, or of the French Revolution, upon English Literature.

2. Give (a) a sketch of one of the leading characters in *Old Mortality*, or the *Antiquary*, or the *Newcomes*, or *Romola* ; and (b) a brief analysis of the plot of one of Shakespeare's plays, or an account of one of the leading Shakespearean characters.

3. Give an account of Chaucer's *Prologue*, or of the *Knight's Tale*, or of *Comus*, or of the *Hind and the Panther*, or of the *Essay on Man*, or of *Robinson Crusoe*, or of the *Vicar of Wakefield*. Give also a brief sketch of the life of the author of the work you may select.

4. Explain and illustrate the meaning of the following terms:—narrative poem, allegory, satire, ode, elegy, blank verse, pathetic, grotesque.

## SECTION II.

5. State briefly what you know about any *two* of the following:—Alfred the Great; Thomas à Becket; James I. of Scotland; Sir Thomas More; Hampden; Laud; Marlborough; Wilkes; Clive; Burke.

6. Describe briefly, and estimate the historical importance of, the Battle of Flodden, or the Armada, or the Second Jacobite Rebellion, or the American War of Independence, or the Indian Mutiny.

7. Explain as fully as you can any *four* of the following:—Domesday Book; Magna Charta; the Provisions of Oxford; the National Covenant; the Court of High Commission; the Petition of Right; the Act of Uniformity; the Act of Union.

8. What is meant by the following:—Bill and Act of Parliament; Free Trade and Protection; Budget; Household Franchise; Privy Council; Direct Taxation; Imperial Federation?

## SECTION III.

9. State what has led to the development of the leading industries of Lanarkshire, Lancashire, Yorkshire, and Staffordshire. Locate and describe briefly the leading industrial centre in each of these counties.

10. Contrast the present with the former importance of Florence, Granada, Athens, Alexandria, Rome and Venice. How is the change in each case to be accounted for?

11. Describe precisely the position of *eight* of the following:—Antwerp; Bordeaux; Dresden; Brindisi; Khartoum; Ottawa; Dundee; Brisbane; Wellington; Kimberley; Lima; Andaman Islands; Dardanelles; Lofoden Isles; Black Forest; Falls of Niagara; Yosemite Valley.

## LATIN.

October, 1892.

## I. GRAMMAR.

(This paper is to be answered by all Candidates, whether for Higher or Lower Standard.)

1. (a) Give the gender, and the genitive and ablative cases singular and plural, of the following nouns—*manus*, *carcer*, *dies*, *amnis*, *robur*, *flos*, *ager*, *canis*, *parens*, *vicem*.

(b) Give the comparative and superlative of—*vilis*, *aequus*, *dubius*, *facile*, *graviter*, *diu*.

(c) Write down; adding the meaning in English:—

(1) 3 pl. plup. ind. act. *deleo*.

(2) 2 sing. imperf. subj. act. *cupio*.

(3) 1 sing. fut. indic. act. *possum*.

- (4) fut. infin. act. *redeo*.
- (5) 2 pl. pres. subj. pass. *seco*.
- (6) 3 pl. imperf. indic. pass. *facio*.
- (7) fut. infin. pass. *corrumpo*.
- (8) 1 pl. perf. ind. act. *divido*.
- (9) 1 pl. perf. subj. pass. *aveho*.
- (10) 3 sing. plup. ind. act. *consisto*.
- (11) fut. perf. infin. *egredior*.
- (12) abl. sing. fem. perf. part. pass. *sancio*.

2. Explain clearly what is expressed by a Conditional Statement; and write sentences containing such statements with the verb (1) in the indicative, (2) in the subjunctive mood. Give translations of the Latin sentences.

3. Give examples of the following constructions:—

- (a) Cognate Accusative;
- (b) Double Accusative;
- (c) Genitive with verbs of remembering and forgetting;
- (d) Genitive with verbs of accusing;
- (e) Dative of Purpose.

4. Write sentences to show the constructions of—*consulo*, *moderor*, *interest*, *interdico*, *confido*, *praesto*.

5. Translate into Latin:—

- (a) The soldiers having reached the wood halted.
- (b) The general after repairing the bridge, which the enemy had cut down, led his troops across the river.
- (c) He declared that he was confident of victory; and by these words he increased the confidence of those who followed him.
- (d) Did you not ask him what he had seen in the city, and what he intended to do in the country?

6. Explain with examples the uses of the Relative Pronoun in Latin, showing especially the cases in which it is followed by a subjunctive, and the difference of meaning which is involved by that mood.

## II. TRANSLATION.

### 1. Lower Standard.

Translate into English:—

#### *Caesar's Clemency.*

Caesar in eam spem venerat, se sine pugna et sine vulnere suorum rem conficere posse, quod re frumentaria adversarios interclusisset: cur etiam secundo proelio aliquos ex suis amitteret? cur vulnerari pateretur optime de se meritos milites? cur denique fortunam periclitaretur? praesertim quum non minus esset imperatoris, consilio superare, quam gladio. Movebatur etiam misericordia civium, quos interficiendos videbat: quibus salvis atque incolumibus, rem obtinere malebat. Hoc consilium Caesaris plerisque non probabatur; milites vero palam inter se loquebantur, quoniam talis occasio victoriae dimitteretur, etiam quum vellet Caesar, sese non esse pugnatuuros. Ille in sua sententia perseverat et paullulum ex eo loco digreditur, ut timorem adversariis minuatur. Petreius atque Afranius, oblata facultate, in castra sese referunt. Caesar, praesidiis in montibus dispositis, omni ad Iberum



intercluso itinere, quam proxime potest hostium castris castra communit.

—In the above passage account for the cases of—re frumentaria, imperatoris, misericordia, plerisque, montibus, castris; for the moods of—interclusisset, amitteret, dimitteretur; and conjugate the verbs from which—conficere, meritos, dimitteretur, digreditur, oblata—come.

## 2. Higher Standard.

Translate into English:—

### (a) *Mars pleads before Jupiter for Rome besieged by the Gauls.*

Scilicet ignotum est, quae sit fortuna meorum ;

Et dolor hic animi voce querentis eget.

Si tamen, ut referam breviter mala iuncta pudori,

Exigis : Alpino Roma sub hoste iacet.

Haec est, cui fuerat promissa potentia rerum,

Iuppiter ? hanc terris impositurus eras ?

Iamque suburbanos Etruscaeque contudit arma ;

Spes erat in cursu ; nunc Lare pulsa suo est.

Vidimus ornatos aerata per atria picta

Veste triumphales occubuisse senes ;

Vidimus Iliacae transferri pignora Vestae

Sede. Putant aliquos scilicet esse deos.

At si respicerent, qua vos habitatis in arce,

Totque domos vestras obsidione premi ;

Nil opis in cura scirent superesse deorum,

Et data sollicita tura perire manu.

### (b) *Hasdrubal's Perplexity.*

Iam hostes ante castra instructi stabant. Moram pugnae attulit, quod Hasdrubal, proventus ante signa cum paucis equitibus, scuta vetera hostium notavit, quae ante non viderat, et strigosiores\* equos ; multitudo quoque maior solita visa est. Suspiciatus enim id, quod erat, receptui propere cecinit, ac misit ad flumen, unde aquabantur, ubi et excipi aliqui possent et notari oculis, si qui forte adustioris coloris ut ex recenti via essent ; simul circumvehi procul castra iubet specularique, num auctum aliqua parte sit vallum, et ut attendant, semel bisne signum canat in castris. Ea quum ordine omnia relata essent, castra nihil aucta errorem faciebant ; bina erant, sicut ante adventum consulis alterius fuerant, una M. Livii, altera L. Porcii ; neutris quicquam, quo latius tenderetur, ad munimenta adiectum. Illud veterem ducem assuetumque Romano hosti movit, quod semel in praetoriis castris signum, bis in consularibus referebant cecinisse : et quonam modo alter consul ab Hannibale abcessisset, cura angebat.

\* Strigosus, lean, out of condition.

## III. COMPOSITION.

(Candidates are only to translate ONE of the following passages, according as they are Candidates for the Higher or the Lower Grade.)

### 1. Lower Standard.

*Reflections of Henry VIII. on the death of James V. of Scotland.*

When news of the death of the king of Scotland was brought to England, the English king sighed, saying: "Woe is me, for there will never

reign in Scotland a king so near to me by birth, or whom I favoured so much, or whose goodwill I so eagerly desired; for our friendship would have proved a blessing both to ourselves and to our subjects, had he not followed evil counsel." But when the messenger added that the Scottish queen had given birth to a daughter, and that the king had left no other heir, he at once began to conjecture that which afterwards came to pass; that the lords of Scotland, because the queen was a Frenchwoman, would be persuaded to put this young queen in the hands of the French for her education, rather than in his own, though he was nearer of blood to her than the French king was. Therefore he left nothing undone to bring about an alliance between the two realms, that this might be the beginning of peace and concord in future times.

Scotch, English, French, *Scoti, Angli, Galli*; a Frenchwoman, *Galla*; England, *Anglia*; Scotland, *Scotia*; to conjecture, *susplicari*; lords, *principes*; subjects, *cives*.

## 2. Higher Standard.

### *The Battle of Hastings.*

Broken as the stockade was by his desperate onset, the shieldwall of the warriors behind it still held the Normans at bay, when William by a feint of flight drew a part of the English force from their post of vantage. Turning on his disorderly pursuers, the Duke cut them to pieces, broke through the abandoned line, and was master of the central plateau, while French and Bretons made good their ascent on either flank. At three the hill seemed won, at six the fight still raged around the standard, where Harold's hus-carls stood stubbornly at bay on the spot marked afterwards by the high altar of Battle Abbey. An order from the Duke at last brought his archers to the front, and their arrow-flight told heavily on the dense masses crowded around the King. As the sun went down, a shaft pierced Harold's right eye; he fell between the royal ensigns, and the battle closed with a desperate *mêlée* over his corpse. While night covered the flight of the English, the Conqueror pitched his tent on the very spot where his rival had fallen, and "sate down to eat and drink among the dead."

March—April, 1893.

## I. GRAMMAR AND SENTENCES.

### 1, Lower Standard.

#### (a) GRAMMAR.

1. Give gender, acc. sing. and gen. plur. of—*orbis, urbs, grex, faber, tribus, calcar, modius, origo*.

2. Compare—*dives, juvenis, benevolus, multum, nuper, pavidus*; and give the chief parts of the verbs—*reor, fari, attingere, texere, comperire, pertinere*.

3. Form the following:—

- (a) 3 plur. pres. subj. act. of *reddo*.
- (b) 2 plur. imperative of *orior*.
- (c) nom. plur. f. fut. partic. of *redeo*.
- (d) 2 sing. pres. indic. passive of *fero*.
- (e) 2 plur. pres. subj. of *conor*.

- (f) abl. sing. of *dulcis*.  
 (g) acc. plur. neuter of *vetus*.  
 (h) gen. plur. of *sospes*.

4. Explain what is meant by the terms :—  
 “cognate accusative,”  
 “objective genitive,”  
 “dative of purpose.”

Give examples of each.

(b) SENTENCES.

1. Ask your friend to return soon.
2. He is not such as I had believed him to be.
3. As far as he can, he will help us.
4. He was afraid that he would come too late.
5. Did you ask him when he would return?
6. If he said this, he did not know the subject about which he was speaking.
7. I should be sorry if I were to say nothing to-day.
8. It does not follow that he is worthy of credit, because he is acquainted with war.
9. Whosoever hates everybody is hated by everybody.

2. *Higher Standard.*

(a) GRAMMAR.

1. Decline throughout—*duo, vis, alacer, princeps, anceps*; and distinguish—*gener, genus, genu*; *ager, ager, agerem*; *cānum, cānum, cānam*; *pīlus, pīla, pīla*; *trecenti, triceni*.

2. What constructions are used with the adjectives—*rudis, similis, capax, vacuus, aptus, memor*; and with the verbs—*poscere, accusare, liberare, indigere, obedire, interdicere*? Give examples.

3. What is meant by *Deliberative Subjunctive, Qui consecutive, Virtual Oratio Obliqua*? Give examples and explain why the subjunctive mood is used to express the idea required in each case.

4. Give the meaning and derivations of—*rubetum, robustus, lustrare, cogitare, putare, moribundus*.

(b) SENTENCES.

1. After speaking these words he swore not to return unless victorious, and urged the others to do the same.

2. He answered that he would serve Caesar, who had saved his life, with the same fidelity as he had shown towards Pompey.

3. I intend to go to Rome, to stop there for ten days. On the first of May I shall sail to Greece, and spend some time in Corinth and Athens.

4. I shall return, he said, to Africa. Do you determine how the war is to be carried on. Do you lament that at the price of a single life our country is safe? Is it not better that one should be given for many?

II. TRANSLATION.

1. *Lower Standard.*

(1) M. Petronius, eiusdem legionis centurio, cum portas excidere conatus esset, a multitudine oppressus ac sibi desperans multis iam vulner-

ibus acceptis manipularibus suis, qui illum secuti erant : ‘ Quoniam,’ inquit, ‘ me una vobiscum servare non possum, vestrae quidem certe vitae prospiciam, quos cupiditate gloriae adductus in periculum deduxi. Vos data facultate vobis consulite.’ Simul in medios hostes irrupit duobusque interfectis reliquos a porta paulum submovit. Conantibus auxiliari suis, ‘ Frustra,’ inquit, ‘ meae vitae subvenire conamini, quem iam sanguis viresque deficiunt. Proinde abite, dum est facultas, vosque ad legionem recipite.’ Ita pugnans post paulum concidit ac suis salutem fuit.

*Parse—excidere, vulneribus, certe, paulum, suis, conamini, proinde, salutem.*

(2) Nunc autem homines in speculis sunt, observant quem ad modum sese unus quisque nostrum gerat in retinenda religione conservandisque legibus. Vident adhuc post legem tribuniciam unum senatorem hominem vel tenuissimum esse damnatum : quod tametsi non reprehendunt, tamen magno opere quod laudent non habent ; nulla est enim laus ibi esse integrum, ubi nemo est qui aut possit aut conetur corrumpere : hoc est iudicium, in quo vos de reo, populus Romanus de vobis iudicabit ; in hoc homine statuetur, possint senatoribus iudicantibus homo nocentissimus pecuniosissimusque damnari ; deinde est eius modi reus in quo homine nihil sit praeter summa peccata maximamque pecuniam, ut, si liberatus sit, nulla alia suspitio nisi ea quae turpissima est residere possit.

*Parse—nostrum, gerat, tenuissimum, tametsi, opere, statuetur, possint, reus.*

## 2. Higher Standard.

### *Death before Servitude.*

(1) Ad nunc urbem oppugnandam quum admotus exercitus esset, oppidani conscientia scelerum, quia nec deditio tuta ad tam infestos videbatur, neque spes moenibus aut armis tuendae salutis erat, facinus in se ac suos foedum ac ferum consciscunt. Locum in foro destinant, quo pretiosissima rerum suarum congererent. Super eum cumulum coniuges ac liberos considerare quum iussissent, ligna exstruunt fascesque virgultorum coniiciunt. Quinquaginta deinde armatis iuvenibus praecipiunt, ut, donec incertus eventus pugnae esset, praesidium eo loco fortunarum suarum corporumque, quae cariora fortunis essent, servarent ; si rem inclinatam viderent atque in eo iam esse, ut urbs caperetur, scirent, omnes, quos euntes in proelium cernerent, mortem in ipsa pugna obituros : illos se per deos superos inferosque orare, ut memores libertatis, quae illo die aut morte honesta aut servitute infami finienda esset, nihil relinquerent, in quod saevire iratus hostis possit ; ferrum ignemque in manibus esse ; amicae ac fideles potius ea, quae peritura essent, absumerent manus, quam insultarent superbo ludibrio hostes.

### (2) *The deceitful Trader's Prayer to Mercury.*

Huc venit incinctus tunicam mercator, et urna  
Sulfure lustrata, quam ferat, haurit aquam.  
Uda fit hinc laurus : lauro sparguntur ab uda  
Omnia, quae dominos sunt habitura novos.  
Spargit et ipse suos lauro rorante capillos,  
Et peragit solita fallere voce preces.

Ablue praeteriti periuria temporis, inquit,  
 Ablue praeteritae perfida verba die.  
 Sive ego te feci testem, falsove citavi  
 Non audituri numina magna Iovis ;  
 Sive deum prudens alium divamve fefelli,  
 Abstulerint celeres improba verba Noti,  
 Et pateant veniente die periuria nobis,  
 Nec curent superi, si qua locutus ero.  
 Da modo lucra mihi, da facto gaudia lucro,  
 Et face, ut emptori verba dedisse iuvet.  
 Talia Mercurius poscentes ridet ab alto,  
 Se memor Ortygias surripuisse boves.

### III. COMPOSITION.

#### 1. *Lower Standard.*

Alarmed by this news Caesar sent for Crassus, an officer justly reputed for one of the most daring in the Roman ranks. Addressing this brave man, he said, 'I have chosen you from the whole army to seize the bridge, which has been cut by the enemy. Choose one hundred footmen and twenty-five horsemen ; endeavour to surprise the guards and secure the bridge. If you succeed, say so, but send no other report ; your silence will suffice.' Thus exhorted Crassus selected his men, and departed. Favoured by the storm, he reached the bridge unperceived by the enemy ; and then, followed by twelve footmen, crept along a narrow pathway, which was the only part of the bridge undestroyed. The river beneath was in full flood ; one of the twelve fell into the gulf, but Crassus with the eleven others reached the other side, and killed or dispersed the guards of the bridge. At that moment the remainder of his men advanced and joined their comrades. The enemy, imagining that the whole army was upon them, all retired. Thus the passage was gallantly won.

#### 2. *Higher Standard.*

When the Scottish general saw the English coming against him with 3000 horsemen, he bade his men await the encounter with closed ranks, pitching their spears in the ground. The Scots had very long spears, so that at the first shock 200 of the advancing horsemen fell to the ground. The rest turned in flight and declared to their general that it was impossible to break through the Scottish vanguard where they stood like a stone wall. At this report the general was so struck with fear that he determined to flee, and he sent for a guide who knew the country to show him the safest way. But when the commander of the cavalry heard this, he was full of anger, and declared that he wondered at the general's want of courage in so dangerous a time, since very often before he had shown himself alike wise and bold. 'But I vow,' said he, 'if you shall flee away and abandon the king's army, to accuse you before the royal council of treachery and cowardice, since you are ready to leave all the footmen that are here to be trodden under foot by the Scots. For my part I shall leap from my horse and use my sword, and have no fear for anything that I have seen as yet.'

LINDSAY OF PITSCOTTIE.



## GREEK.

*October, 1892.*

## I. GRAMMAR AND SENTENCES.

[The Questions are to be answered by all Candidates, except Question 5, and the last seven sentences, which are for Higher Standard only.]

1. (a) Give the gender, gen. sing., and accus. plural of—*ἡγεμῶν, ἀνὴρ, νομοθέτης, ἱππεύς, κράτος, δόξα, φύσις, παῖς, γέρων, ἀνδρίας*.

(b) Give the comparative and superlative of—*ἄξιος, μέγας, μάλα, λαμπρός, ἐχθρός, σαφώς, εὖφρων, δίκαιος, γέραιος, πίων*.

(c) Give the principal tenses of—*γίγνομαι, ἐγείρω, κάμνω, πίπτω, φθείρω, μιμνήσκω, ῥήγνυμι, ἀνύτω, φέρω, αἰρέω*.

(d) Parse—*αἰτιῶ, ἡσκήσατο, παρασχόν, βληθῆ, ἀφιστάντα, ἥσσηντο, μεταστῆσαι, μεθεῖτο, βαδιεῖσθαι*; and write down the present infin. active, first sing. fut. indic. middle, and nom. sing. masc. first aor. partic. passive, when these forms are in use, of the verbs from which they come.

(e) Give the first person in use throughout each mood, and the infinitive and participle of—*ἔγνω, λέλησμαι, παρέστην, κομιῶ, ἐχρησάμην, εἰλόμην, ἐρρώσθην, ἡδίκησα, οἶδα, εἴμι*.

2. What meaning attaches to the particle *ἄν*? Write sentences, adding a translation in each case, to show its use with the present optative, aorist indicative, aorist infinitive, aorist participle, and relative pronoun.

3. Give examples of terminations meaning (1) the agent, (2) the thing done, (3) the instrument, (4) the place where, (5) abstract quality.

4. Discuss the forms, and analyse the uses, of the genitive case in Greek.

5. (*For Higher Standard only.*) Explain the formation of the following words, in every case tracing them to their roots:—*μίμνω, πιάσχω, ἔσφηλα, εἴμην, ὀρώρυχα, ἴστημι, ὁδός, ἔρρωγε, κτάς, ἔδεκτο*.

6. Translate into Greek:—

*To be done by all Candidates.*

(a) The poet whom we loved has been honoured by all his countrymen (*πολίτης*).

(b) After saying this he was silent for a long time (*σιωπάω*, 'I am silent').

(c) Seek (*ζητέω*) those things which are just (*δίκαιος*), and do not fear (*φοβέομαι*).

(d) After this discussion (*λόγος*) they went on confidently against the enemy (I am confident, *θαρρέω*).

(e) Set up the standard (*σημεῖον*), and stand ready (*ἔτοιμος*). (Set up = *ἴστημι*, transitive tenses; stand = *ἴστημι*, intransitive tenses.)

*For Higher Standard only.*

(f) These women asked (*ἔρωτάω*) the strangers who they were and where they were going (*πορεύομαι*).

(g) He burst into tears on hearing the story, and for a long time continued to weep.

(h) As often as the enemy attacked, our men gave ground (*ἀναχωρέω*).

(i) He is himself a teacher in the school where he has his son taught.

(j) Whatever happens, we ought to serve (*ὑπηρετεῖν*) our country.

(k) We are not working to possess power ourselves, but that we may not be governed by others.

(l) He is not the friend, and may he never be the friend, of those who have violated (*ἀσεβεῖν εἰς*) this temple.

## II. TRANSLATION.

### 1. For both Higher and Lower Grade.

Translate into English :—

*Themistocles at the Persian Court.*

‘Ο δ’ οὖν Θεμιστοκλῆς γενόμενος παρ’ αὐτὸ τὸ δεινὸν ἐντυγχάνει πρῶτον “Ἀρταβάνῳ τῷ χιλιάρχῳ λέγων” Ἕλληνας μὲν εἶναι, βούλεσθαι δὲ ἐντυχεῖν βασιλεῖ περὶ μεγίστων πραγμάτων καὶ πρὸς ἃ τυγχάνει μάλιστα σπουδάξω ἐκείνος. ‘Ο δὲ φησιν· “ὦ ξένη, νόμοι διαφέρουσιν ἀνθρώπων· ἄλλα δ’ ἄλλοις καλὰ· καλὸν δὲ πᾶσι τὰ οἰκεῖα κοσμεῖν καὶ σώζειν. Ὑμᾶς μὲν οὖν ἐλευθερίαν μάλιστα θαυμάζειν καὶ ἰσότητά λόγους· ἡμῖν δὲ πολλῶν νόμων καὶ καλῶν ὄντων κάλλιστος οὗτός ἐστι, τιμᾶν βασιλέα καὶ προσκυνεῖν ὡς εἰκόνα θεοῦ τοῦ τὰ πάντα σώζοντος. εἰ μὲν οὖν ἐπαινῶν τὰ ἡμέτερα προσκυνήσεις, ἔστι σοι καὶ θεάσασθαι βασιλέα καὶ προσειπεῖν· εἰ δ’ ἄλλο τι φρονεῖς, ἀγγέλοις ἐτέροις χρήσῃ πρὸς αὐτόν. Βασιλεῖ γὰρ οὐ πάτριον ἀνδρὸς ἀκροᾶσθαι μὴ προσκυνήσαντος.” Ταῦτα ὁ Θεμιστοκλῆς ἀκούσας λέγει πρὸς αὐτόν· “Ἄλλ’ ἔγωγε τὴν βασιλείᾳ, ὦ Ἀρτάβανε, φήμην καὶ δύναμιν αὐξήσω ἀφίχθαι, καὶ αὐτὸς τε πείσομαι τοῖς ὑμετέροις νόμοις καὶ δι’ ἐμὲ πλείονες τῶν νῦν βασιλέα προσκυνήσουσι.” “Τίνα δ’,” εἶπεν ὁ Ἀρτάβανος, “Ἑλλήνων ἀφίχθαι σε φῶμεν; οὐ γὰρ ἰδιώτῃ τὴν γνώμην ἔοικας.” καὶ ὁ Θεμιστοκλῆς “Τοῦτ’ οὐκέτ’ ἂν” ἔφη “πύθοιτό τις, Ἀρτάβανε, πρότερος βασιλεύς.”

χιλιάρχος, *tribune*; σπουδάξω, *to think important*; προσκυνεῖν, *to worship*; ἀκροᾶσθαι, *to listen to*; ἰδιώτης, *an ordinary person*.

In the above passage parse ἐντυχεῖν, εἰκόνα, χρήσῃ, ἀφίχθαι, φῶμεν, πύθοιτο.

### 2. For Higher Grade only.

Translate one of the following passages :—

(a) *Prayer of Achilles for his Friend's Life.*

Ζεῦ ἄνα, Δωδωναῖε, Πελασγικὲ, τηλόθι ναῖων,  
Δωδώνης μεδῶν δυσχειμέρου· ἀμφὶ δὲ Σελλοὶ  
σοι ναῖουσ’ ὑποφῆται ἀνιπτόποδες χαμαιεῖναι.  
ἡμὲν δὴ ποτ’ ἐμὸν ἔπος ἐκλives εὐξαμένοιο,  
τίμησας μὲν ἐμὲ, μέγα δ’ ἵψαο λαὸν Ἀχαιῶν,  
ἡδ’ ἔτι καὶ νῦν μοι τόδ’ ἐπικρήνην ἐέλδωρ·  
αὐτὸς μὲν γὰρ ἐγὼ μενέω νηῶν ἐν ἀγῶνι,  
ἀλλ’ ἔταρον πέμπω πολέσιν μετὰ Μυρμιδόνεσσιν  
μάρνασθαι· τῷ κῦδος ἅμα πρὸς, εὐρύοπα Ζεῦ,  
θάρσυνον δὲ οἱ ἦτορ ἐνὶ φρεσίν, ὄφρα καὶ Ἐκτωρ

εἴσεται ἢ ῥα καὶ οἷος ἐπίσσηται πολεμίζειν  
 ἡμέτερος θεράπων, ἢ οἱ τότε χεῖρες ἀπτοι  
 μαίνονθ', ὅππότε' ἐγὼ περ ἴω μετὰ μῶλων Ἀρηος.  
 αὐτὰρ ἐπεὶ κ' ἀπὸ ναυφί μάχην ἐνοπήν τε δίηται,  
 ἀσκηθῆς μοι ἔπειτα θοὰς ἐπὶ νῆας ἵκοιτο  
 τεύχεσσι τε ξὺν πᾶσι καὶ ἀγχεμάχοις ἐτάροισιν."

(b) ' *This is the Happy Warrior, this is he  
 That every man in arms would wish to be.*'

"Ἀκουε δὴ νυν. καὶ γὰρ οὐκ ἄκοντί μοι  
 δίδως ἔπαινον ὦν ἔγωγε βούλομαι  
 φίλων ἀληθῆ καὶ δίκαι' εἰπεῖν πέρι.  
 ὁρᾷς τὸ Δίον οὐ βέλος διέπτατο;  
 Καπανεὺς δδ' ἐστίν· ᾧ βίος μὲν ἦν πολὺς,  
 ἥκιστα δ' ὀλβω γαῦρος ἦν· φρόνημα δὲ  
 οὐδέν τι μείζον εἶχεν ἢ πένης ἀνήρ,  
 φεύγων τραπέζαις ὅστις ἐξογκοῖτ' ἄγαν  
 τάρκοῦντ' ἀτίζων· οὐ γὰρ ἐν γαστρὸς βορᾷ  
 τὸ χρηστὸν εἶναι, μέτρια δ' ἐξαρκεῖν ἔφη.  
 φίλοις τ' ἀληθῆς ἦν φίλος παροῦσί τε  
 καὶ μὴ παροῦσιν. ὦν ἀριθμὸς οὐ πολὺς.  
 ἀψευδὲς ἦθος, εὐπροσῆγορον στόμα,  
 ἀκραντον οὐδέν οὔτ' ἐς οἰκέτας ἔχων  
 οὔτ' ἐς πολίτας.

April, 1893.

## I. GRAMMAR AND SENTENCES.

### 1. Lower Standard.

#### (a) GRAMMAR.

1. Decline in sing.—ἄμαξα, ποιμήν, ἀκρατής; and in plural—πατήρ, κέρας, μείζων.

Compare—φίλιος, εὐσεβής, βεβαίως, τάχα.

2. Decline the sing. of ὁ αὐτός and the plural of ὅστις; distinguish ποῖος, ὅποιος, οἷος, τοιοῦτος, and ἄλλοθι, ἄλλοθεν, ἄλλοσε.

3. Write out in full:—

(a) the opt. of οἶδα.

(b) the imperf. mid. of ἵστημι.

(c) the perf. indic. pass. of βουλεύω.

(d) the 2 aor. subj. mid. of τρέπω.

(e) the 1 aor. opt. pass. of δείκνυμι.

4. Give the future, aorists, and perfects in use of the verbs—  
 παιδεύω, ἀγγέλλω, τίθημι, καλέω, βαίνω.

5. Form (a) 2 aor. inf. act. of ὁράω.

(b) 3 sing. 1 aor. ind. pass. of πείθω.

(c) n. pl. masc. 2 aor. part. act. of ὑφίστημι.

(d) perf. infin. pass. of σπείρω.

(e) d. pl. fem. 2 aor. part. pass. of στέλλω.

(f) 2 aor. inf. mid. of μέθλημι.

(g) 2 sing. perf. imper. pass. of ῥώννυμι.

(h) 3 pl. plup. ind. pass. of αἰρέω.

(i) 1 pl. imperf. ind. act. of ἑάω.

(j) 2 sing. 1 aor. imper. mid. of δέχομαι.

6. Give examples to show how the following vowels contract—εε, εο, εα, αο, αε, οη, οη, οει. What is Crasis? unite καὶ εἰτα and τὸ ἱμάτιον.

7. What cases are used with verbs of *touching, being angry, selling, depriving, assisting*? Give examples.

8. What is meant by a *mood*? Explain briefly but clearly the different meanings expressed by ἵομεν, ἴωμεν, ἵοιμεν, ἵοιμεν ἄν, ἰέναι.

(b) SENTENCES.

1. These things are in accordance with law, but contrary to justice.
2. The wild animals (θηρία) on account of their fear fled through the forest.
3. In the days of our fathers the enemy came against your country.
4. He did himself much harm (βλάπτω) by quarrelling (ὀργίζομαι) with his best friends.
5. He hit the mark (σκοπός), because he was skilful (ἐπιστήμων) in archery (infin. of τοξεύω).
6. Menon desired to rule, that he might possess much wealth.
7. He rightly endeavours (σπουδάζω) to govern himself, that he may be able to govern others.
8. I would die rather than give up (παραδίδωμι) my arms.
9. Oh that I were dead, since I did not assist (τιμωρέω) my friend, when he was in danger (κινδυνεύω).
10. Whenever he saw any one idling (μεθίημι), he told him not to do so.

2. Higher Standard.

(a) GRAMMAR.

1. Decline in sing.—ἄμαξα, ποιμήν, ἀκρατής; and in plural—πάτηρ, κέρας, μείζων.

Compare—φίλιος, εὐσεβής, βεβαίως, τάχα.

2. Give the future, aorists, and perfects in use of the verbs—ἀφίστημι, στέλλω, πίνω, πίμπλημι, ὀρύσσω; and form

2 sing. perf. ind. pass. of ἀφικνέομαι.

3 sing. 2 aor. imper. mid. of ἀφαιρέω.

1 pl. 2 aor. opt. act. of διδράσκω.

1 sing. 1 aor. subj. pass. of δράω.

2 aor. inf. mid. of πέτομαι.

3. Explain the formation of—ἔσταμεν, ἔσπετο, εἰργαζόμεν, ἐγγήγεμαι, πᾶσχω; and the terminations of—πρακτικός, μουσεῖον, εὐτακτέω, δρασείω, χαρακτήρ.

4. Show by examples the use of the Greek infinitive—(1) with modal verbs; (2) with adjectives; (3) to express a purpose; (4) as a declinable substantive.

Distinguish βούλομαι τοῦτο ποιεῖν and βούλομαι τοῦτο ποιῆσαι.

5. Explain, giving examples, the use in Greek of the Double Accusative after verbs, of the Ethic Dative and Dative of Accompaniment, and of the Genitive after verbs and adjectives of Remembering.

(b) SENTENCES.

1. Before the Greeks became powerful, the Phoenicians were masters of the sea.

2. He told me not to come before I had seen him.

3. Those who are most satisfied with their present position least desire what belongs to others.

4. So large a property (*οὐσία*) was left me by my father, as I have named to you.

5. If a wind had arisen, the whole city would have been destroyed.

6. By doing these things, of which this man accuses me, I should have been gaining no advantage (*κερδαίνω*).

7. Should you take the path (*ὁδός*) towards me, you might become a doer of many good and honourable things.

8. May you all be fortunate; and, if you choose what I advise, you will be fortunate.

9. The women besought all, whomsoever they met (*ἐντυγχάνω*), not to flee leaving them behind.

10. The general replied that he did not yet know what he was going to do, but was still deliberating.

## II. TRANSLATION.

### 1. Lower Standard.

Translate:—

(1) Καὶ ὁ μὲν Πῶρος πρὸς Ἀλέξανδρον ἤγετο· Ἀλέξανδρος δὲ ὡς προσερχόμενον ἐπύθετο, προῖππεύσας πρὸ τῆς τάξεως σὺν ὀλίγοις τῶν ἐταίρων ἀπαντᾷ τῷ Πῶρι· καὶ ἐπιστήσας τὸν ἵππον τό τε μέγεθος καὶ τὸ κάλλος τοῦ ἀνδρὸς ἐθαύμαζε, καὶ ὅτι οὐ δεδουλωμένος τῇ γνώμῃ ἐφαίνετο, ἀλλ' ὥσπερ ἂν ἀνὴρ ἀγαθὸς ἀνδρὶ ἀγαθῷ προσέλθοι, ὑπὲρ βασιλείας τῆς αὐτοῦ καλῶς ἡγωνισμένος. ἐνθα δὴ Ἀλέξανδρος ἐκέλευσεν αὐτὸν λέγειν ὅ τι αὐτῷ γενέσθαι ἐθέλοι, Πῶρον δὲ ἀποκρίνασθαι λόγος· Βασιλικῶς μοι χρῆσαι, ὦ Ἀλέξανδρε. Ἀλέξανδρος δὲ ἡσθεὶς τῷ λόγῳ ἔφη τοῦτό τε αὐτῷ ἔσεσθαι καὶ πᾶν οὕτινος αὐτὸν ἀξιόη· ὁ δὲ ἀπεκρίνατο πάντα ἐν τούτῳ ἐνεῖναι.

Parse—ἤγετο, ἐπύθετο, ἐπιστήσας, ἡγωνισμένος, χρῆσαι, ἡσθέντα, ἀξιόη.

(2) Καὶ ἐντεῦθεν Σεύθης πέμπει τὸν ἑαυτοῦ ἐρμηνέα πρὸς Ξενοφῶντα καὶ κελύει αὐτὸν καταμεῖναι παρ' ἑαυτῷ ἔχοντα χιλίους ὀπλίτας, καὶ ὑπισχνεῖται αὐτῷ ἀποδώσειν τὰ τε χωρία τὰ ἐπὶ θαλάττῃ καὶ τὰ ἄλλα, ἃ ὑπέσχετο. Καὶ ἐν ἀπορρήτῳ ποιησάμενος λέγει, ὅτι ἀκήκοε Πολυνίκου ὡς, εἰ ὑποχείριος ἔσται Λακεδαιμονίοις, σαφῶς ἀποθανοῖτο ὑπὸ Θίβρωνος. Ἐπέστελλον δὲ ταῦτα καὶ ἄλλοι πολλοὶ τῷ Ξενοφῶντι, ὡς διαβεβλημένος εἴη καὶ φυλάττεσθαι δεοί. Ὁ δὲ ἀκούων ταῦτα δύο ἱερεῖα λαβὼν ἔθνε τῷ Διὶ τῷ βασιλεῖ, πότερά οἱ λῶν καὶ ἄμεινον εἴη μένειν παρὰ Σεύθῃ, ἐφ' οἷς Σεύθης λέγει, ἢ ἀπιέναι σὺν τῷ στρατεύματι. ἀναρεῖ αὐτῷ ὁ θεὸς ἀπιέναι.

Parse—καταμεῖναι, ὑπισχνεῖται, ἀπορρήτῳ, ποιησάμενος, ἀκήκοε, ἀποθανοῖτο, διαβεβλημένος εἴη, δεοί, ἔθνε, πότερα, οἱ, λῶν, οἷς.



2. *Higher Standard.*

Translate into English :—

(1) Ὁ μὲν Νικίας ἄκων ἤρεθῃ στρατηγός, ἐφοβεῖτο γὰρ μὴ ὁ συνάρχων διὰ τὴν θρασύτητα πάντα συνταράττοι· τοῖς δὲ Ἀθηναίοις ἐφαίνετο τὰ τοῦ πολέμου βεβαιότερα ἐσόμενα, εἰ τὸν Ἀλκιβιάδῃ προπέμψειαν μὴ μόνον, ἀλλὰ συμμίζαντες πρὸς τὴν τόλμαν αὐτοῦ τὴν Νικίου πρόνοιαν· καὶ γὰρ ὁ τρίτος στρατηγὸς Λάμαχος ἡλικία προήκων ὅμως ἐδόκει μηδὲν ἦττον εἶναι τοῦ Ἀλκιβιάδου φιλοκίνδυνος ἐν τοῖς ἀγῶσιν. ὁπότε οὖν βουλευόμενοι περὶ πλήθους καὶ τρόπου παρασκευῆς, ἐπεχειρεῖ ὁ Νικίας παντοίως ἐνίστασθαι, ἵνα τὸν πόλεμον καταπαύοι. ταῦτα δὲ εἰς τὰ ἐναντία κατέστη ἢ τὸ προσδοκώμενον αὐτῷ· ἀντειπόντος γὰρ πολλάκις τοῦ Ἀλκιβιάδου καὶ κρατήσαντος, τέλος ἔγραψε ψήφισμα τῶν ῥητόρων Δημόστρατος καὶ εἶπεν, ὅτι χρεΐη τοὺς στρατηγούς αὐτοκράτορας εἶναι καὶ τῆς παρασκευῆς καὶ τοῦ πολέμου παντός. Ἐπιψφισαμένου δὲ τοῦ δήμου καὶ γενομένων ἐτοίμων πάντων πρὸς τὸν ἔκπλουν μεγάλη τις ταραχὴ καὶ φόβος εἰς τὴν πόλιν εἰσέπεσε τῶν Ἑρμῶν μιᾷ νυκτὶ τῶν πλείστων τὰ πρόσωπα περικοπέντων· οἱ γὰρ πολλοὶ ὀργῇ τὸ γεγονός ἐλάμβανον ὥς ἀπὸ συνωμοσίας ἐπὶ πράγμασι μεγάλοις τετολημμένον, οὐδ' ἄλλο τι ἐφρόντιζον ἢ ὅπως τοὺς αἰτίους οὐστυνας δῆ ποτε ἐξεύρωσι.

(2) *Iphigenia before the Altar.*

Ὡς δ' ἐσεῖδεν Ἀγαμέμνων ἄναξ  
ἐπὶ σφαγὰς στείχουσιν εἰς ἄλσος κόρην,  
ἀνεστέναξε, κάμπαλιν στρέψας κἀρα  
δάκρυα προῆγεν, ὀμμάτων πέπλον προθείς.  
ἢ δὲ σταθεῖσα τῷ τεκόντι πλησίον,  
ἔλεξε τοιάδ'· ὦ πάτερ, πάρειμί σοι,  
τοῦμὸν δὲ σῶμα τῆς ἔμης ὑπὲρ πάτρας  
καὶ τῆς ἀπάσης Ἑλλάδος γαίας ὑπερ  
θῦσαι δίδωμι' ἐκούσα πρὸς βωμὸν θεᾶς  
ἄγοντας, εἴπερ ἐστὶ θέσφατον τόδε.  
καὶ τοῦπ' ἔμ' εὐτυχοῖτε, καὶ νικηφόρον  
δώρου τίχοιτε, πατρίδα δ' ἐξίκουσθε γῆν.  
πρὸς ταῦτα μὴ ψαύσῃ τις Ἀργείων ἐμοῦ.  
σιγῇ παρέξω γὰρ δέρην εὐκαρδίως.

## MATHEMATICS.

19th October, 1892.

## FIRST PAPER.

1. Define a fraction, and show that a fraction is not altered in value by multiplying numerator and denominator by the same number.

Simplify  $\frac{3}{5} + \frac{5}{7\frac{1}{2}} \text{ of } \frac{1}{1\frac{1}{2}} + \left( \frac{3\frac{3}{4}}{4\frac{2}{7}} - \frac{3\frac{2}{5}}{4\frac{1}{4}} + \frac{4}{2\frac{1}{2}} \right) \div 4\frac{6}{7}$ .

2. If 10 men can perform a piece of work in 12 days, how many men will accomplish another piece of work which is four times as great in a sixth part of the time?

3. A tradesman's prices are 12 per cent. above cost price ; if he allows his customers 4 per cent. on his bill what profit does he make ?

4. If two angles and a side in one triangle be respectively equal to two angles and the corresponding side in another triangle, the two triangles shall be equal in every respect.

If the bisector of the vertical angle of a triangle also bisects the base, prove that the triangle is isosceles.

5. Describe a parallelogram equal in area to a given rectilineal figure, and having an angle equal to a given angle.

Draw a straight line from an angle of a triangle to the opposite side, cutting off from the triangle a given area.

6. If a straight line be bisected and produced to any point the square on the whole line thus produced and the square on the part produced are together double of the square on half the line bisected and of the square on the line made up of the half and the part produced.

The diagonals of a square  $ABCD$  intersect in  $O$ , and  $E$  is a point in  $AC$  produced such that  $CE$  is equal to  $AB$  ; prove that the square on  $AE$  is twice the square on  $OE$ .

7. Draw a tangent to a circle from a given point.

Through  $C$  one of the points of intersection of two circles a line is drawn, meeting the circles again in  $A$  and  $B$  ; if the diameters through  $A$  and  $B$  be perpendicular to each other, then will the tangents to the circles at  $C$  be perpendicular.

8. The opposite angles of any quadrilateral figure inscribed in a circle are together equal to two right angles.

If any two chords be drawn through the middle point of a given chord of a circle, the straight lines joining those extremities which are on opposite sides of the bisected chord cut off equal parts from the ends of the chord.

9. Describe an isosceles triangle having each of the angles at the base double of the third angle.

10. If two triangles have one angle of the one equal to one angle of the other, and the sides about the equal angles proportional, the triangles shall be similar.

An angle  $BAC$  turns about its vertex  $A$ , and from a fixed point  $D$  a line is drawn cutting the arms in  $P$  and  $Q$  ; if the ratio of  $AP$  to  $AQ$  be constant, show that  $P$  and  $Q$  will describe circles.

11. Similar triangles are to one another in the duplicate ratio of homologous sides.

From a point  $A$  on the outer of two concentric circles tangents  $AB$ ,  $AC$  are drawn to the inner ; if  $AC$ ,  $BC$  produced meet the outer circle in  $D$ ,  $E$  respectively, then will  $EB$  be to  $EC$  in the duplicate ratio of  $EA$  to  $ED$ .

12. Define a *locus*. Find the locus of a point which moves so that its distances from two given points are in a constant ratio.

13. If two straight lines be parallel, and one of them be at right angles to a plane, the other shall also be at right angles to the same plane.

## SECOND PAPER.

1. Divide  $a^3 + 2a^2c - 2abc - 2ac^2 + b^3 + 2b^2c - 2bc^2 - 4c^3$  by  $a + b + 2c$ .
2. Find all the factors of  
(i.)  $3a^2 - 20ab - 7b^2$ ; (ii.)  $a^6 - 64b^6$ ; (iii.)  $(a^2 - 3a)^2 - 2a^2 + 6a - 8$ .
3. State and prove the rule for finding the highest common factor of two algebraic expressions.

Find the H.C.F. of

$$9x^4 + 3x^3 - x - 1 \text{ and } 6x^5 + x^3 + 3x^2 - x - 1.$$

4. Solve the equations:—

$$(i.) \frac{1}{39}(x+4) - \frac{1}{5}(1-x) = 2 - \frac{3}{26}(6-5x) - \frac{1}{5}(x+4).$$

$$(ii.) \frac{5x-64}{x-13} - \frac{4x-55}{x-14} = \frac{2x-11}{x-6} - \frac{x-6}{x-7}.$$

5. A person buys a certain quantity of land. If he had bought 7 acres more for the same money, each acre would have cost £4 less, and if each acre had cost £18 more he would have obtained 15 acres less; how much did he pay for the land?

6. Simplify:—

$$(i.) \frac{x^2 - 1}{2x^2 - \frac{4x^2 - 1}{1 + \frac{x}{x-1}}};$$

$$(ii.) \left( \frac{x^2}{y} + \frac{y^2}{x} \right) \left( \frac{1}{y^2 - x^2} \right) - \frac{y}{x^2 + xy} + \frac{x}{xy - y^2} - \frac{1}{x + y};$$

$$(iii.) \frac{(b+c)^3}{(a-b)(a-c)} + \frac{(c+a)^3}{(b-c)(b-a)} + \frac{(a+b)^3}{(c-a)(c-b)}.$$

7. Solve the equations:—

$$(i.) \frac{3x+1}{x+8} + \frac{x-8}{3x-1} = \frac{17}{12}; \quad (ii.) \frac{5}{x+2} + \frac{5}{x+4} = \frac{1}{x+1} + \frac{8}{x+3} + \frac{1}{x+5}.$$

8. Solve:—

$$x^2 + 5xy + 6y^2 = 154;$$

$$15x^2 - 8xy + y^2 = 264.$$

9. Define a logarithm, and prove the following:—

$$(i.) \log ab = \log a + \log b; \quad (ii.) \log a^n = n \log a;$$

$$(iii.) \log_a M \cdot \log_b N = \log_a N \cdot \log_b M.$$

Given  $\log 2 = \cdot 30103$ ,  $\log 3 = \cdot 47712$ , find the logarithms of

$$\sin 30^\circ, \sin 60^\circ, \tan 30^\circ, \tan 60^\circ.$$

10. Define the cosine of an angle and trace the changes in the cosine as the angle increases from  $0^\circ$  to  $180^\circ$ .

Show that

$$2(\sin^6 A + \cos^6 A) - 3(\sin^4 A + \cos^4 A) + (\sin^2 A + \cos^2 A) = 0.$$

11. Prove that  $\sin(A+B) = \sin A \cos B + \cos A \sin B$ .

Solve the equations :—

(i.)  $\sin 2x = 1 + \cos 2x$  ; (ii.)  $\tan x + \tan 3x = 2 \tan 2x$ .

12. State and prove a formula adapted to logarithmic calculation for solving a triangle when two sides and the included angle are known.

Find the other angles when the sides are 81 and 27 feet respectively and the included angle  $60^\circ$ , being given

$$\log 2 = \cdot 30103, \quad \text{Log } \tan 40^\circ 53' = 9\cdot 93738.$$

$$\log 3 = \cdot 47712, \quad \text{Log } \tan 40^\circ 54' = 9\cdot 93763.$$

3rd April, 1893.

### 1. Lower Standard.

#### FIRST PAPER.

1. Simplify : (i.)  $\frac{\frac{3}{5} - \frac{1}{2}}{\frac{3}{4} \text{ of } 3\frac{1}{5} + \frac{1}{10}} \div \frac{\frac{1}{3} \text{ of } \cdot 00125 \div \cdot 005}{1\frac{2}{3} \text{ of } 14 - \cdot 025 \text{ of } 20}$ .
- (ii.)  $5\cdot 3 \text{ of } £2 \text{ 19s. } 11\frac{1}{2}\text{d.}$   
 $+ 2\cdot 1\frac{1}{2} \text{ of } £10 \text{ 19s. } 9\frac{1}{2}\text{d.}$   
 $- 1\cdot 054 \text{ of } £36 \text{ 19s. } 2\frac{1}{2}\text{d.}$

2. Find the value of 2 tons 18 cwt. 3 qr. 7 lb. at £12 1s. 8d. per cwt.

3. The area of a field, which is in the form of a square, is 1 ac. 3 ro. 5 po.  $27\frac{3}{4}$  sq. yds. Find the length of a side of the field.

4. If 10 per cent. is gained by selling an article at £12 13s. 11d., what would be the loss or gain on selling it at £10 7s. 9d. ?

5. Find the simple interest on £168 16s. 8d. for  $2\frac{1}{2}$  years at  $3\frac{3}{4}$  per cent. per annum.

6. Multiply 
$$\frac{x(4x+3y) - (x+2y)^2}{4x(x+y) - y(11x-3y)},$$
 by and divide the product by  $(3x-4y)(4x-3y)$ .

7. Factorize : (i.)  $a^2x^2 - abcx - 240b^2c^2$ .  
 (ii.)  $(5x^2 + 4x - 5)^2 - (5x^2 - 4x - 5)^2$ .  
 (iii.)  $(1+x)^2(1+y^2) - (1+y)^2(1+x^2)$ .

#### SECOND PAPER.

1. Simplify :—

$$(i.) \frac{x^2 - 2x - 3}{x^2 - 5x - 6} \times \frac{x^2 + x - 12}{x^2 - 2x - 24} \div \frac{x^2 - 6x + 9}{x^2 - 12x + 36}.$$

$$(ii.) \frac{1}{x-2y} + \frac{2}{x+y} - \frac{1}{x+2y} - \frac{2}{x-y}.$$

2. Solve the equations :—

$$(i.) \frac{1}{6}(x-2) - \frac{1}{6}(x-1) = \frac{1}{11}(x+4) - \frac{1}{12}(x+5).$$

$$(ii.) \frac{3x}{5} - \frac{5y}{3} = 3x + 5y - 64 = 0.$$

3. The complements of the parallelograms which are about the diameter of any parallelogram are equal to one another.

$ABCD$  is a parallelogram, and  $P$  is any point in the diameter  $AC$ . Prove that the area of the triangle  $PAB$  is equal to the area of the triangle  $PAD$ .

4. To describe a square which shall be equal to a given rectilineal figure.

Show how to describe a square equal to the sum of two given rectilineal figures.

5. If a straight line drawn through the centre of a circle bisect a straight line in it which does not pass through the centre, it shall cut it at right angles; and if it cut it at right angles, it shall bisect it.

If a diameter of a circle bisect a chord which does not pass through the centre, it shall bisect all chords which are parallel to it.

6. On a given straight line to describe a segment of a circle, containing an angle equal to a given rectilineal angle.

Construct a triangle, given the base, the vertical angle and the length of the straight line joining the vertex to the middle point of the base.

## 2. Higher Standard.

### FIRST PAPER.

1. Factorize : (i.)  $(1+x)^3(1+y^3) - (1+y)^3(1+x^3)$ .

(ii.)  $(b-c)^3 + (c-a)^3 + (a-b)^3$ .

2. Simplify :—

$$(i.) \left\{ \frac{1-2x}{1+2x} - \frac{1+4x}{1-4x^2} \right\} \div \left\{ \frac{1+2x}{1-2x} - \frac{1-4x}{1-4x^2} \right\} + \frac{2-x-x^2}{2-3x+x^2}.$$

$$(ii.) \frac{(b+c-a)^2}{(a-b)(a-c)} + \frac{(c+a-b)^2}{(b-c)(b-a)} + \frac{(a+b-c)^2}{(c-a)(c-b)}.$$

3. Solve the equations :

$$(i.) \frac{1}{x+2} + \frac{3}{x+3} + \frac{5}{x+5} = \frac{9}{x+4}.$$

$$(ii.) 30x + 20y - 97z = 99, \quad 29x + 19y - 98z = 81, \quad 4x - 6y + 7z = 21.$$

4. Solve the equations :

$$(i.) 3x^2 - 9x + 5 = 0.$$

[Find the values of the roots of this equation to 3 places of decimals.]

$$(ii.) (2c+a)x^2 - 3x(a+c) + c + 2a = 0.$$

$$(iii.) x^2 + 2xy + 3y^2 = 81, \quad 3x^2 + 2xy + y^2 = 67.$$

5. The length of a rectangle exceeds its breadth by 105 feet, and a diagonal is 255 feet long. Find the length and breadth.

6. If a straight line be divided into two equal and also into two unequal parts, the squares on the two unequal parts are together double of the square on half the line and of the square on the line between the points of section.

In a given square inscribe the square of minimum area.

7. To draw a straight line from a given point, either without or in the circumference, which shall touch a given circle.

A six-sided figure is circumscribed to a circle. Show that the sum of the first, third, and fifth sides is equal to the sum of the remaining sides.



## SECOND PAPER.

1. To describe an isosceles triangle, having each of the angles at the base double of the third angle.

Find the length of the side of a regular decagon inscribed in a circle whose radius is  $r$ .

2. If a straight line be drawn parallel to one of the sides of a triangle, it shall cut the other sides, or those sides produced, proportionally; and if the sides, or the sides produced, be cut proportionally, the straight line which joins the points of section, shall be parallel to the remaining side of the triangle.

$O$  is a fixed point,  $P$  is any point, on the circumference of a given circle, and  $Q$  is a point in  $OP$  such that  $OQ : OP$  in a given ratio. Find the locus of  $Q$ .

3. If two parallel planes be cut by another plane, their common sections with it are parallel.

Any straight line is drawn from a fixed point  $O$  to cut two given parallel planes in  $P$  and  $Q$  respectively. Show that the ratio of  $OP$  to  $OQ$  is constant.

4. Define a *logarithm*, and prove from your definition that

$$\log_a b \times \log_b a = 1.$$

Given

$$\log_{10} 2 = \cdot 301, \quad \log_{10} 6 = \cdot 778,$$

find, to three places of decimals, the values of

$$(i.) \log_{10} \cdot 0625, \quad (ii.) \log_{10} \sqrt{8 \cdot 1}, \quad (iii.) \log_2 100, \quad (iv.) L \operatorname{cosec} 60^\circ.$$

5. Prove the formula :

$$\cos(A + B) = \cos A \cos B - \sin A \sin B.$$

Also prove that

$$4 \cos A \cos(120^\circ - A) \cos(120^\circ + A) = \cos 3A.$$

6. Prove that in any triangle, with the usual notation,

$$\tan \frac{A}{2} = \sqrt{(s-b)(s-c)/s(s-a)}.$$

Find, to the nearest second, the greatest angle in the triangle whose sides are 11, 10, and 9, being given

$$\log 2 = \cdot 3010300, \quad L \tan 35^\circ 15' = 9 \cdot 8492536, \quad \text{difference for } 1' = 2683.$$

## F R E N C H.

October, 1892.

[No paper will pass which does not satisfy the Examiners both in Parts I. and II., or which contains gross grammatical blunders.]

## PART I.

1. Give in full, in negative interrogative form, the preterite of *s'asseoir*; and give the first person singular of the present indicative of *—acheter, jeter, vaincre, se lever*.

2. Give the past participle, masculine and feminine, of *—absoudre*, *acquérir, croître*; and the present infinitive of *—clos, mû, tu*.

3. Distinguish between the various uses of *que*, and make a short sentence in French to illustrate each use.

4. What adverbs are formed from the following adjectives :—*vif, net, complet, vite, sec, frais, aveugle, prudent*? Account historically for the form in the last instance.

5. Write some French sentences to illustrate the use of—*nul, aucun, personne, autrui, davantage*.

6. Translate into idiomatic French :—

(a) I was returning to my house about half-past three in the afternoon of Monday, the thirty-first of August, eighteen hundred and ninety-one.

(b) It was no use my telling him he had made a mistake.

(c) He came to see me two days after my arrival.

(d) I felt myself seized by the foot.

(e) He very nearly broke his leg.

(f) I do not doubt that he will come as soon as he is able.

## PART II.

7. Translate into English :—

(a) Les nuits sont extrêmement courtes en Russie au mois de juillet; cependant, celle-ci me parut bien longue, tant je craignais d'être attaqué dans l'obscurité par des forces supérieures aux miennes. La moitié des hommes étaient en selle, les autres faisaient manger leurs chevaux et se tenaient prêts à monter dessus au premier signal. Tout paraissait tranquille à la rive opposée, lorsque Lorentz, mon domestique polonais, qui parlait parfaitement le russe, vint m'informer qu'il avait entendu une vieille juive, habitante d'une maison voisine, dire à une autre femme de sa caste: 'La lanterne du clocher de Morki est allumée, l'attaque va commencer!' Je fis amener ces femmes devant moi, et, questionnées par Lorentz, elles répondirent que, craignant de voir leur hameau devenir le champ de bataille des deux partis, elles n'avaient pu apercevoir sans alarme briller sur l'église du village de Morki la lumière qui l'avant-dernière nuit avait servi de signal aux troupes russes pour traverser le gué de la Duna et fondre sur le camp français! Bien que je fusse prêt à tout événement, cet avis me fut très utile. En un instant le régiment fut à cheval, le sabre à la main, et les vedettes du bord de la rivière, ainsi que les cavaliers placés en cordon dans la plaine, reçurent à voix basse, et de proche en proche, l'ordre de le rejoindre.

(b) Nul ne sut mieux que lui le grand art de séduire ;

Nul sur ses passions n'eut jamais plus d'empire,

Et ne sut mieux cacher, sous des dehors trompeurs,

Des plus vastes desseins les sombres profondeurs.

Altier, impétueux, mais souple et populaire,

Des peuples en public il plaignait la misère,

Détestait des impôts le fardeau rigoureux ;

Le pauvre allait le voir, et revenait heureux :

Il savait prévenir la timide indigence ;

Ses bienfaits dans Paris annonçaient sa présence ;

Il se faisait aimer des grands qu'il haïssait ;

Terrible et sans retour alors qu'il offensait ;

Téméraire en ses vœux, sage en ses artifices,  
 Brillant par ces vertus, et même par ses vices ;  
 Connaissant le péril, et ne redoutant rien ;  
 Heureux guerrier, grand prince, et mauvais citoyen.

8. Translate into French :—

It happened one day about noon, going towards my boat, I was exceedingly surprised with the print of a man's naked foot on the shore, which was very plain to be seen in the sand. I stood like one thunder-struck, or as if I had seen an apparition ; I listened, I looked round me, I could hear nothing, nor see anything ; I went up the shore and down the shore, but it was all one, I could see no other impression but that one. I went to it again, to see if there were any more, and to observe if it might not be my fancy ; but there was no room for that, for there was exactly the very print of a foot, toes, heel, and every part of a foot ; how it came thither I knew not, nor could in the least imagine. But after innumerable fluttering thoughts, like a man perfectly confused and out of myself, I came home to my fortification not feeling, as we say, the ground I went on, but terrified to the last degree.

### PART III.

[*Not more than THREE questions in this part to be attempted.*]

9. Give a short account of the Jongleurs, Trouvères, and Troubadours of the 11th and 12th centuries.

10. In what respects, and to what extent, did Molière borrow from the comedians of Greece and Rome ?

11. Name the authors, and give the approximate dates of the following works—*Télémaque*, *Lettres Provinciales*, *Candide*, *Père Goriot*, *Gil Blas*, *Lettres Persanes*, *Pêcheur d'Islande*, *Consuelo*.

Give a brief description or analysis of any *two* of them.

12. Trace the gradual loss of the case-terminations in the evolution of modern French from popular Latin. Account for the forms—*puits*, *mur*, *pasteur*, *maux*.

13. To what extent, if at all, did the Frankish invasion permanently affect (1) the vocabulary, (2) the syntax, of the French language ?

14. By what different tests may words derived from the popular Latin be distinguished from those which were imported into the language from classical Latin at a later period ?

---

*April, 1893.*

### FIRST PAPER.

1. Translate into French :—

(a) The first person we met, on coming to the road, was an elderly officer, I think of the 50th regiment, supported by a private soldier on one side, and leaning on his sword with the other hand. We helped him to gain a seat near the door of a little cottage, which we could see had been used as a temporary hospital, from the numerous wounded, dead, and dying men stretched all round it. This situation being on the face of the hill next the town, was not liable to be struck by any

direct fire from the enemy. The old officer's face was so pale, that a streak of blood along his brow and cheek, though not broader than a thread, was as conspicuous as if it had been a line drawn on a sheet of paper. That he had received a serious wound was evident; but we had not the least idea that he was dying.

(b) The place of our retreat was in a little neighbourhood, consisting of farmers who tilled their own grounds, and were equal strangers to opulence and poverty. As they had almost all the conveniences of life within themselves, they seldom visited towns or cities in search of superfluities. Remote from the polite, they still retained the primeval simplicity of manners; and frugal of habit, they scarce knew that temperance was a virtue. They wrought with cheerfulness on days of labour; but observed festivals as intervals of idleness and pleasure.

2. Translate into idiomatic French :—

- (a) Everything happened without my knowledge.
- (b) I have no fault to find with it.
- (c) Living is dear in this country.
- (d) Neither of them is guilty of it.
- (e) They are out of gun-shot.

## SECOND PAPER.

### PART I.

1. Write out in full :—

- (a) The imperfect indicative of *manger*.
- (b) The imperative of *s'emparer*.
- (c) The preterite of *tenir*.

2. What is the meaning of—

- (a) Se défaire de.
- (b) Se passer de.
- (c) En vouloir à.
- (d) Se garder bien de.
- (e) S'en prendre à.

3. Give the rule for the inflection of the past participle of reflective verbs. Which of the following are correct, and which incorrect? Give reasons for your answer.

- (a) Ils se sont lavé.
- (b) Ils se sont nui.
- (c) Elle s'est brûlé le doigt.
- (d) Elle s'est brûlé au doigt.
- (e) La maison s'est écroulée.
- (f) Ils se sont ris de nos menaces.

4. Distinguish between :—

- (a) À la campagne, en campagne.
- (b) Envers, vers.
- (c) Dans, en.
- (d) Plaindre (with acc.), se plaindre de.
- (e) Chaque, chacun.

5. Correct the following sentences, giving the reason for your corrections in each case :—

- (a) Personne a venu aujourd'hui.
- (b) J'ai cassé ma jambe.
- (c) Il est moins riche qu'on croit.
- (d) Il a perdue sa montre.
- (e) Faut-il que je m'en vais ?

## PART II.

6. Translate into English :—

Cet orgueilleux gentilhomme de campagne habitait une maison qu'il appelait son château, et qui n'était, à parler proprement, qu'uneasure, tant elle menaçait ruine de toutes parts. Cependant, quoique ses facultés ne lui permissent pas de la faire réparer, quoiqu'il eût de la peine à vivre, il ne laissait pas d'avoir un valet pour le servir, et de plus, il y avait une femme maure auprès de sa sœur. C'était une chose réjouissante que de voir paraître Don Thomas dans le bourg, les fêtes et les dimanches, avec un habit de velours cramoisi tout pelé, et un petit chapeau garni d'un vieux plumet jaune, qu'il conservait chez lui comme des reliques pendant les autres jours de la semaine. Paré de ces guenilles, qui lui semblaient autant de preuves de sa noble origine, il tranchait du seigneur, et croyait assez payer les profondes révérences qu'on lui faisait, lorsqu'il voulait bien y répondre par un regard. Sa sœur n'était pas moins folle que lui de l'antiquité de sa race, et elle joignait à ce ridicule celui d'être si vaine de sa beauté, qu'elle vivait dans la glorieuse espérance que quelque grand viendrait la demander en mariage.

7. Translate :—

### *L'Emigration du Plaisir.*

Effrayé des maux que la guerre  
 Sur la France allait attirer,  
 Le Plaisir cherchait une terre  
 Sur laquelle il put émigrer.  
 La Prusse, L'Autriche, l'Espagne,  
 Présentent en vain leurs états,  
 L'Espagnol ne plaisante pas,  
 On ne rit point en Allemagne.

Il s'en va tout droit en Russie,  
 Mais le climat, par ses rigueurs,  
 Rend d'abord sa suite engourdie,  
 Et lui-même y perd ses couleurs.  
 Catherine en vain lui propose  
 De son palais le brillant toit,  
 Pense-t-on qu'à mourir de froid  
 Le plaisir près d'elle s'expose?

Le plaisir ne calcule guère,  
 Il fait en peu bien du chemin,  
 Sans y songer, en Angleterre,  
 Il se trouve le lendemain.



Le Lord-Maire vers lui s'avance,  
Et le présente au parlement.  
'Sortons,' dit-il, 'très promptement,  
On y baille plus qu'on n'y pense.'

Il dirige ses pas vers Rome ;  
Cette ville, où régnaient les arts,  
Ne lui montre qu'un petit homme  
Sur le grand trône des Césars.  
Il demande des vers d'Horace,  
On lui donne des *Oremus*,  
Et dans le pays des *Agnus*  
Que veut-on que le plaisir fasse ?

Hélas ! comment rentrer en France ?  
Je suis sans papier et sans or.  
Jadis on m'a fait quelque avance,  
On m'en ferait peut-être encore.  
Aussitôt qu'il met pied à terre,  
Il aperçoit la Liberté.  
Que peut craindre un enfant gâté,  
Qui tombe aux genoux de sa mère ?

### PART III.

[*Not more than ONE question in this part to be attempted.*]

8. 'L'œuvre de la littérature française au dix-huitième siècle semble d'abord purement subversive.' Comment upon this statement, with reference especially to the works of Voltaire and Rousseau.

9. Give some account of the life and works of any two of the following writers—Montaigne, Pascal, Bossuet, La Fontaine, Molière, Xavier de Maistre, Madame de Staël, Béranger, Guizot.

10. What processes in the transformation of popular Latin into French do the following words illustrate :—*étang*, *espèce*, *lanterne*, *règle*, *sujet* ?

11. Account historically for the forms —*grand'mère*, *sanglier*.

12. Explain fully the etymology of—*guerre*, *maréchal*, *désormais*, *alouette*.

---

### GERMAN.

October, 1892.

[*No paper will pass which does not satisfy the Examiners both in Parts I. and II., or which contains gross grammatical blunders.*]

### PART I.

1. Give the gender, English, and nominative plural or plurals of—*Pfeinig*, *Schlay*, *Mauer*, *Rahmen*, *Lachs*, *Ohr*, *Besorgnis*, *Hirt*, *Kandidat*, *Antwort*, *Dampfschiff*, *Leichnam*, *Tod* and *Rat*.

2. Translate, and decline in the singular :—  
 , (a) The little animal ; (b) the same old story ; (c) our faithful dog ;  
 (d) a large garden ;  
 and in the plural :—  
 (e) Few rich gentlemen ; (f) wiser kings.
3. Give the German for—65, 101, 1796, the 11th, the 24th, the 102nd  
 regiment, three-eighths, one twenty-third, two days and a half, the 31st  
 of January, a quarter past twelve, a.m.
4. Give the 3rd singular, present, imperfect, and perfect indicative of  
 —*kommen*, *bitten*, *bießen*, *brechen*, *empfehlen*, *raten*, *wachsen*, *nehmen*,  
*niederreißen*, and *anvertrauen*.
5. Give the rule of syntax exemplified in the following expressions :—  
 (a) *Wäre ich ein König.*  
 (b) *Er nahm mir den Rock weg.*  
 (c) *Die Cigarre hat eine Mark gekostet.*  
 (d) *Lassen Sie den Korb holen.*  
 (e) *Nicht geraucht !*  
 (f) *Das Schiff liegt schon vier Monate vor Anker.*
6. Distinguish between *bitten* and *beten*, *ertrinken* and *ertränken*, *Herd*  
 and *Herde*, *kosten* and *schmecken*, *Landmann* and *Landsmann*, *heiraten*  
 and *verheiraten*, *schlecht* and *schlimm*, *Wand* and *Mauer*, *ich dringe durch*  
 and *ich durchdringe*.
7. In what respect are the following sets of German and English  
 words not synonymous?—*scheu* and *shy*, *nehmen* and *take*, *fertig* and  
*ready*, *Tafel* and *table*, *geniessen* and *enjoy*, *jagen* and *hunt*, *nämlich* and  
*namely*.
8. Explain the force of the prefix in *warum*, *entreißen*, *erweichen*,  
*anschnitten* and *nachbauen* ; and of the suffix in *fruchtbar*, *männlich*,  
*innerhalb*, and *Freundschaft*.
9. Translate freely—  
*Dazu habe ich keine Lust.*  
*Sie hatte nichts dagegen einzuwenden.*  
*In Saus und Braus leben.*  
*Mir nichts dir nichts.*  
*Sie haben gut reden.*  
*Fassen Sie sich.*
10. Translate into idiomatic German :—  
*What is the good of that ?*  
*There is nothing the matter with me.*  
*I do not like London.*  
*For several days in succession.*  
*I would much rather go with you.*  
*Spare my life.*  
*I will answer for that.*

## PART II.

11. Translate into English :—

(a) Die Lagunen sind eine Wirkung der alten Natur. Erst Ebbe,  
 Flut und Erde, gegen einander arbeitend, dann das allmähliche Sinken

des Urgewässers waren Ursache, dass am obren Ende des Adriatischen Meeres sich eine ansehnliche Sumpfstrecke befindet, welche von der Flut besucht, von der Ebbe zum Theil verlassen wird. Die Kunst hat sich der höchsten Stellen bemächtigt, und so liegt Venedig, von hundert Inseln zusammen gruppiert und von hunderten umgeben. Zugleich hat man mit unglaublicher Anstrengung und Kosten tiefe Kanäle in den Sumpf geführt, damit man auch zur Zeit der Ebbe mit Kriegsschiffen an die Hauptstellen gelangen könne. Was Menschenwitz und Fleiss vor alters ersonnen und ausgeführt, muss Klugheit und Fleiss nun erhalten. Das Lido, ein langer Erdstreif, trennt die Lagunen von dem Meere, welches nur an zwei Orten hereintreten kann, bei dem Kastell nämlich und am entgegengesetzten Ende, bei Chiozza. Die Flut tritt gewöhnlich des Tages zweimal herein, und die Ebbe bringt das Wasser zweimal hinaus, immer durch denselben Weg in denselben Richtungen. Die Flut bedeckt die innern, morastigen Stellen und lässt die erhöhtern, wo nicht trocken, doch sichtbar.

- (b) Jetzt macht ein Ende, Schwester! spricht es aus,  
 Das Wort um dessentwillen ihr gekommen,  
 Denn nimmer will ich glauben, dass ihr kamt,  
 Um euer Opfer grausam zu verhöhnen.  
 Sprecht dieses Wort aus! Sagt mir: "Ihr seid frei,  
 Maria! Meine Macht habt ihr gefühlt,  
 Jetzt lernet meinen Edelmut verehren."  
 Sagt's und ich will mein Leben, meine Freiheit  
 Als ein Geschenk aus eurer Hand empfangen.  
 —Ein Wort macht alles ungeschehn. Ich warte  
 Darauf. O! lasst mich's nicht zu lang' erharren!  
 Weh' euch, wenn ihr mit diesem Wort nicht endet!  
 Denn wenn ihr jetzt nicht segensbringend, herrlich,  
 Wie eine Gottheit, von mir scheidet—Schwester!  
 Nicht um dies ganze reiche Eiland, nicht  
 Um alle Länder, die das Meer umfasst,  
 Möcht' ich vor euch so stehn, wie ihr vor mir!

12. Translate into German:—

Seated in the chimney-corner enjoying their supper were a couple, man and wife, who were evidently travelling with merchandise. 'Pardon my question,' said Teresa in a trembling voice to the woman, 'but what road do you take when you leave Turin?'—'The road to Alessandria, my dear.—'To Alessandria! It is my good angel which has led you hither!—'Your good angel, then,' replied the woman, 'has led us through a very bad road.'—'What is it you mean?' said the man addressing Teresa.—'Most urgent business calls me to Alessandria. Will you take me?'—'It is impossible,' said the woman.—'I will pay you well,' continued Teresa, 'I will give you ten francs.'—'I don't know how we can do it,' replied the man; 'the seat is so narrow, it will hardly hold three; though you are not very large, to be sure. But we are only going to Revigano, which is but half way to Alessandria.'—'Well, well, take me so far; but we must set out this instant.'—'This instant! What an idea; we cannot start till the morning.'—'I will pay you double the sum.' The husband looked at his wife, but she

shook her head, exclaiming, 'the poor beasts; it would kill them!'—  
'But the twenty francs,' murmured he. And the thought of twenty francs had so much weight, that before the clock struck eleven, Teresa found herself in the cart seated between the worthy pair.

## PART III.

[Only two of the following questions to be attempted.]

13. Name the authors of the following works and state in a few words the class of writing to which each belongs—*der Messias*, *Laokoon*, *die Räuber*, *Soll und Haben*, *Leyer und Schwert*.

14. What is the work from which passage (b) is an extract? Give a short description (not more than ten lines) of any work of Lessing's with which you are acquainted.

15. Trace as far as you can the derivation of the following words, mentioning the English cognate, if it exists—*sehr*, *welsch*, *Bräutigam*, *Fürst*, *kosten*, *Armbrust*, *Almosen*, *Messer*, *Freitag*.

16. Form from the following simple verbs, *i.e.* *bitten*, *hauen*, *rechnen*, *giessen*, *trinken*, *wandern*, *spielen*, *trauen*—compounds denoting 'to obtain by asking,' 'to hew to pieces,' 'to make a mistake in counting,' 'to pour forth,' 'to drink to the dregs,' 'to wander all about,' 'to gamble away,' 'to distrust.'

April, 1893.

## FIRST PAPER.

## 1. Translate into German :—

It is related of a traveller, that he sought lodgings one night at a farm-house in Vermont. He found an aged couple, well-to-do in this world's goods, living there alone. In the course of the evening he learned that they had three sons who were sailors. It was an inexplicable affair to them, that their sons, living far away from the sea, should have so strong a desire to follow this profession from boyhood. One after the other, when they attained the age of twelve or fifteen, was seized with an incontrollable desire for the sea. While the father was rehearsing the story of their lives, the traveller was observing a painting on the ceiling, over the mantel-piece. It was an ocean scene—a ship sailing over a tranquil sea. When the father ceased his remarks, the traveller said :—"There is the cause of your sons' sailor-life"—pointing to the painting. "From infancy they have had that painting before their eyes, and it has educated them for the sea. In the earliest years, when their hearts were most impressible, that ocean scene set them in that direction; and finally they yielded to the conquerable desire."

## 2. Translate into idiomatic German :—

- (a) I am sorry for him.
- (b) You may come in a few hours.
- (c) I wish I had something else to do.
- (d) How do you like this fruit.

- (e) Some friends of ours have just arrived.  
 (f) Take care not to fall into that hole.  
 (g) The more patiently one bears one's misfortune, the lighter will the burden seem to us.

## SECOND PAPER.

[No paper will pass which contains gross grammatical blunders.]

1. Give general rules for the declension of (a) masculine monosyllables, (b) neuter monosyllables; and give six exceptions to each rule, with the English.

2. What is the gender of (a) dissyllables in *-en*, (b) names of metals, (c) nouns ending in *-ei*? State the gender of—*Salz*, *Erlaubnis*, *Juni*, *Sitz*, *That*, *Band* (ribbon), *Geschrei*, and *Hausthüre*.

3. Translate and decline in one number only:—

- (a) A very high house.  
 (b) Our younger brother.  
 (c) Small white balls.  
 (d) Many a rich merchant.

4. Give the 3rd sing. imperfect indicative, perfect participle, and 2nd sing. imperative of—*geben*, *halten*, *laufen*, *sterben*, *haben*, *wachsen*.

5. What is understood by a 'separable verb'? Write down the perfect participle of—*gewähren*, *beikommen*, *wiederholen*, *darstellen*, *vorangehen*, *ausverkaufen*, *verabreden*, and *durchreisen*.

6. Explain the difference between *hineintreten* and *hereintreten*; *ich bin gefahren* and *ich habe gefahren*; *er wohnt drei Jahre in L.* and *er hat drei Jahre in L. gewohnt*; *er hilft mir ankleiden* and *er hilft mich ankleiden*; *es giebt* and *es ist* (there is).

7. Translate freely:—

(a) Ich muss Sie darauf aufmerksam machen, dass es drei Viertel auf ein Uhr ist.

(b) Er that als wäre er beinahe ausser sich.

(c) Er sprach vor sich hin.

(d) Der Kutscher wird schon kommen.

(e) Jeder ist sich selbst der nächste.

Was Ihre Frage betrifft....

8. Translate into English:—

(a) Goethe sprach viel und mit Bewunderung über Alexander von Humboldt und dessen Project eines Durchstiches der Landenge von Panama. "So viel ist gewiss," sagte er, "wenn ein Durchstich der Art gelänge, dass man mit Schiffen von jeder Ladung und jeder Grösse durch solchen Kanal aus dem Mexikanischen Meerbusen in den Stillen Ozean fahren könnte, so würden daraus für die ganze civilisierte und nicht-civilisierte Menschheit ganz unberechenbare Resultate hervorgehen. Es ist vorauszusehen, dass die Vereinigten Staaten bei ihrer entschiedenen Tendenz nach Westen, in dreissig bis vierzig Jahren auch die grossen Landstrecken jenseit der Felsengebirge in Besitz genommen und bevölkert haben werden. Es ist ferner vorauszusehen, dass an dieser ganzen Küste des Stillen Ozeans, wo die Natur bereits die geräumigsten



und sichersten Häfen gebildet hat, nach und nach sehr bedeutende Handelsstädte entstehen werden, zur Vermittelung eines grossen Verkehrs zwischen China nebst Ostindien und den Vereinigten Staaten. In solchem Falle wäre es aber nicht bloss wünschenswert, sondern fast notwendig, dass sowohl Handels- als Kriegsschiffe zwischen der nord-amerikanischen westlichen und östlichen Küste eine raschere Verbindung unterhielten, als es bisher durch die langweilige, widerwärtige und kostspielige Fahrt um das Kap-Horn möglich gewesen.

- (b) Ja, liebe Nachbarn ! Heute sind wir noch  
 Franzosen, freie Bürger noch und Herren  
 Des alten Bodens, den die Vater pflugten ;  
 Wer weiss wer morgen über uns befiehlt !  
 Denn allerorten lässt der Engländer  
 Sein sieghaft Banner fliegen, seine Rosse  
 Zerstampfen Frankreichs blühende Gefilde.  
 Paris hat ihn als Sieger schon empfangen,  
 Und mit der alten Krone Dagoberts  
 Schmückt es den Sprössling eines fremden Stamms.  
 Der Enkel unsrer Könige muss irren,  
 Enterbt und flüchtig durch sein eigenes Reich ;  
 Und wider ihn im Heer der Feinde kämpft  
 Sein nächster Vetter und sein erster Pair.  
 Rings brennen Dörfer, Städte. Näher stets  
 Und näher wälzt sich der Verheerung Rauch  
 An diese Thäler, die noch friedlich ruhen.

[Only ONE of the following questions to be attempted.]

9. What do you understand by the ' Storm and Stress ' (" *Sturm und Drang* ") period of German literature, and who were its chief exponents ?

10. Mention any German historical writers with whose works you are acquainted, and give a short notice of their writings.

11. Trace as far as you can the derivation of the following words and their connection with the English :—*fahren*, *Glocke*, *Herzog*, *König*, *raten*, *Lorbeer*, *Maulwurf*, *Wesen*, *gar*, *Thaler*.

12. Form one or more verbs from each of the following adjectives, giving the meaning of the verbs thus formed—*frisch*, *gross*, *gleich*, *trocken*, *besser*, *offen*. Give as many meanings as you can of—*verspielen*, *vergeben*, *ausschlagen*, *vorspielen*, *abdrucken*, *übergehen*.

## DYNAMICS.

October, 1892.

1. Define *velocity* and *acceleration*.

A body starts from rest and moves in a straight line with a constant acceleration of 5 feet per second per second. What distance will it describe in  $3\frac{1}{2}$  minutes, and what will be its velocity at the end of that time ?

2. A body is describing the perimeter of a square with the uniform velocity of 10 feet per second. Find in magnitude and direction the change of velocity at a corner of the square.

3. Define *momentum*, *poundal*, *work*, *kinetic energy*.

A force equal to the weight of 30 lbs. acts on a mass of 80 lbs. for  $2\frac{1}{2}$  minutes. Find the momentum and kinetic energy of the mass at the end of that time, and state in what units your results are expressed.

[ $g=32$  feet per second per second.]

4. If 30 per cent. of the work done by an engine is wasted by friction, what must be the horse power of the engine if it can project 30,000 lbs. of water per minute with a velocity of 40 feet per second?

5. Calculate the magnitude of the resultant of each of the following systems of forces :—(i) Two forces of 8 units and 10 units respectively, acting in directions making an angle of  $60^\circ$  with one another; (ii) four forces of 5, 6, 7, 8 units, acting at a point respectively south, east, north, west.

6. Define the centre of gravity of a body, and show how to find the centre of gravity of a body made up of two parts.

$ABCD$  is a square, and  $O$  is its centre. If the triangle  $AOB$  is cut away, find the centre of gravity of the remainder of the figure.

7. A uniform rod whose mass is  $P$  lbs. is placed with its ends on two pegs in the same horizontal line. From what point of the rod must a mass of  $Q$  lbs. be hung in order that the pressure on one peg may be  $n$  times the pressure on the other?

8. Explain the terms—*pressure at a point in a fluid*, *total pressure*, *resultant pressure*.

A cubical box, one foot high, is filled to a depth of 6 inches with mercury, and is then filled up with water. Find the total pressure on the base and on one of the sides of the box.

[Specific gravity of mercury is 13.6. Mass of a cubic foot of water is  $62\frac{1}{2}$  lbs.]

9. State the principle of Archimedes.

A solid weighs 30 grammes in water, and 40 grammes in a liquid whose specific gravity is .8. What is the volume of the body in cubic centimetres, and what is its mass in grammes?

10. State Boyle's law, and show how it may be verified for common air, *either* for pressures greater than atmospheric pressure, *or* for pressures less than atmospheric pressure.

11. Describe briefly the construction of the mercurial barometer in its simplest form.

Using the data of Question 8, calculate the atmospheric pressure in pounds weight per square inch when the mercury barometer stands at a height of 30 inches.

5th April, 1893.

1. Define *acceleration*, and explain what is meant by the statement that the acceleration of gravity is 32 feet per second per second.

A body falls from rest, and describes 208 feet in a certain second. What space does it describe in the next second?

2. State Newton's Second Law of Motion, and from it deduce the numerical relation between a force and the acceleration it produces in a given mass.

A train is starting from a station with an acceleration of  $\frac{1}{10}$  of a mile per minute per minute. Compare the resultant force acting on the train with the weight of the train.

3. Explain what is meant by the kinetic energy of a moving body.

A body, whose mass is 10 lbs., is moving with a velocity of 30 miles per hour. From that instant it moves against a constant resistance which brings it to rest in 100 feet. Express the resistance in lbs. weight.

4. When is a force said to do work? What units of work are in use in Dynamics?

The height and length of an inclined plane are 100 feet and 200 feet respectively. Find the work done against gravity in dragging 10 lbs. 50 feet up the plane.

5. State the "Parallelogram of Forces," and show, with the aid of a figure, how it may be verified experimentally.

Find the magnitude of the resultant of the following three forces acting in one plane at a moment:—

2 poundals East,  
 $\sqrt{2}$  poundals North-East,  
 3 poundals North.

6. Define the *moment of a force about a point*, and show that the algebraical sum of the moments of two parallel forces about any point in their plane is equal to the moment of their resultant about the same point.

To the ends *A* and *B* of a weightless lever, 6 feet long, are hung masses of 1 and 3 lbs. respectively, and to the middle point is hung a mass of 2 lbs. About what point will the lever balance?

7. Define the *centre of gravity of a body*. How would you determine by experiment the centre of gravity of a thin plate of iron?

*ABCD* is a square, *O* is the centre of the square, and *E* and *F* are the middle points of the adjacent sides *AB* and *AD*. If the part *AEOF* is cut off, find the centre of gravity of the remainder.

8. Show that if three forces acting in one plane on a body keep the body at rest, the forces must either be parallel or must meet in a point.

*AB* is a uniform rod, 4 feet long, which weighs 10 lbs. It is free to turn about the end *A* which is hinged to a fixed point, and is supported in a horizontal position by a string attached to the end *B*, and fastened to a fixed point 3 feet vertically above *A*. Find the tension of the string.

9. Explain clearly what is meant by the pressure at a point in a fluid. State Pascal's principle of the transmissibility of fluid pressure.

A vessel contains mercury and water, the depth of the water being 6 inches. Find the pressure at a point 2 inches below the common

surface of the two liquids. State distinctly what is the meaning of the number you obtain as the answer to this question—

[Mass of a cubic foot of water = 62·5 lbs.

Specific gravity of mercury = 13·6.]

10. Explain the method of determining the specific gravity of a liquid by the hydrostatic balance.

Find the apparent weight in alcohol (specific gravity ·8) of a piece of metal which weighs 100 oz. in air and  $86\frac{2}{3}$  oz. in water.

11. Describe the simple mercury barometer.

What would be the effect on the height of a barometer (1) if the barometer were taken up in a balloon, (2) if it were taken down under water in a diving bell? Justify your answers. Give a numerical result for the case in which the diving bell is sunk to a depth of 25 feet in water. [Specific gravity of mercury = 13·6.]

12. Explain the action of the double-barrelled air pump, and point out its advantages.

## II.—FOR THE DEGREE OF M.A.

### I.—FOR ORDINARY DEGREE.

#### A.—DEPARTMENT OF CLASSICAL LITERATURE.

#### LATIN TRANSLATION—TWO HOURS.

1. Translate *one* of the following passages :—

(a) Virg. *Aen.* VIII. 554-571.

(b) Virg. *Aen.* XII. 896-914.

2. Translate :—

(a) Hor. *Odes*, II. 13, 21-32.

(b) Hor. *Odes*, III. 24, 51-64.

3. Translate *one* of the following passages :—

(a) Hor. *Ep.* I. 18, 10-20.

(b) Hor. *Ars. Poet.* 434-444.

4. Translate :—

Tac. *Annals*, I. 35-36.

5. Explain the allusions in *four* of the following passages, and indicate the context :—

(a) At Caesar, triplici invectus Romana triumpho  
Moenia, dis Italis votum immortale sacrabat.

(b) Illum Tydides alio pro talibus ausis  
Adfecit pretio, nec equis adspirat Achillis.

(c) Nolis longa ferae bella Numantiae

Aptari citharae modis.

(d) Cantaber Agrippae, Claudii virtute Neronis  
Armenius cecidit.

- (e) Dicitur . . .  
Plautus ad exemplar Siculi properare Epicharmi.  
(f) Sed Varus fato et vi Armini cecidit.

6. Explain the constructions of the words in *italics* in *four* of the following passages:—

- (a) Latiumque vocari  
Maluit his quoniam *latuisset* tutus in oris.  
(b) Et nunc nequiquam *fallis* dea.  
(c) Cur *valle* *permutem* Sabina  
Divitias operosiores?  
(d) Quis circum pagos et circum compita pugna  
Magna coronari *contemnat* *Olympia*?  
(e) Nunc Satyrum, nunc agrestem *Cyclopa* movetur.  
(f) Decies *sestertium* largitus est, satis *comperto* paternas ei angustias esse.

## LATIN PROSE—TWO HOURS.

‘Nor is danger to be declined. In this you may take your enemy for a pattern, who is prodigal of his blood in the most iniquitous cause: whereas if you succeed, you will live extremely happy; if you miscarry, the uncertainties of war will be terminated with a glorious death.’ This speech of Cato’s inspired some with confidence and even with hope; and the generality were so much affected with his intrepid and humane turn of mind that they almost forgot their present danger; and looking upon him as the only general that was invincible and superior to all fortune, they desired him to make what use he thought proper of their fortunes and their arms; for that it was better to die under his banner than to save their lives at the expense of betraying so much virtue. One of the council observed the expediency of a decree for enfranchising slaves, and many commended the motion: Cato however said that he would not do that, because it was neither just nor lawful, but such as their masters would voluntarily discharge, he would receive, provided they were of proper age to bear arms. This many promised to do; and Cato withdrew, after having ordered lists to be made out of all that should offer.

## GENERAL PAPER—TWO HOURS.

### A. UNPREPARED TRANSLATION.

*Could Alexander the Great have conquered the Roman people?*

Et loquimur de Alexandro nondum merso secundis rebus, quarum nemo intolerantior fuit. Qui si ex habitu novae fortunae novique, ut ita dicam, ingenii, quod sibi victor induerat, spectetur, Dareo magis similis quam Alexandro in Italiam venisset, et exercitum Macedoniae oblitum degenerantemque iam in Persarum mores adduxisset. Refferre in tanto rege piget superbam mutationem vestis et desideratas humi iacentium adulationes, etiam victis Macedonibus graves, nedum victoribus, et foeda supplicia et inter vinum et epulas caedes amicorum et



vanitatem ementiendae stirpis. Quid, si vini amor in dies fieret acrior? quid, si trux ac praefervida ira? (nec quicquam dubium inter scriptores refero) nullane haec damna imperatoris virtutibus ducimus? Id vero periculum erat, quod levissimi ex Graecis, qui Parthorum quoque contra nomen Romanum gloriae favent, dictitare solent, ne maiestatem nominis Alexandri, quem ne fama quidem illis notum arbitror fuisse, sustinere non potuerit populus Romanus, et, adversus quem Athenis, in civitate fracta Macedonum armis, cernente tum maxime prope fumantes Thebarum ruinas, contionari libere ausi sint homines, id quod ex monumentis orationum patet, adversus eum nemo ex tot proceribus Romanis vocem liberam missurus fuerit?

#### B. GRAMMAR.

1. State the constructions used with *interest* and *refert*; and form short clauses in Latin to illustrate them.

2. Write down the ablative singular and the genitive plural and also the gender of (a) *nix*, (b) *domus*, (c) *jecur*; the perfect indicative active (first singular) and the supine of (a) *torqueo*, (b) *praesto*, (c) *comperio*: parse (a) *juratus*, (b) *nolunto*, (c) *nequit*: and distinguish (a) *oblitus*, *oblitus*, (b) *voces*, *voces*, (c) *latus*, *latus*.

#### C. ANTIQUITIES.

Explain the following—(a) *municipium*, (b) *rogare*, *subrogare*. (c) *decem-riri legibus scribundis*, (d) *libera legatio*, (e) *discessio*, (f) *repetundae*.

#### D. HISTORY (133-31 B.C.).

State briefly what you know about *two* of the following subjects, with particulars of dates, persons, etc. :—

(a) The Jury Courts from the time of the Younger Gracchus to the time of Cicero.

(b) The Campaign of Sylla in the East.

(c) The dispute between Caesar and Pompey that led to the Civil War.

(d) Caesar's operations in Spain against the Pompeians.

(e) The conduct of Antony in the government of the Eastern Section of the Roman Empire.

#### GREEK TRANSLATION—TWO HOURS.

1. Translate *one* passage from each of the following sections :—

A. (a) Hom. *Odyssey*, IX. 371-386.

(b) Hom. *Iliad*, XVI. 698-714.

(c) Hom. *Iliad*, XXII. 122-137.

B. (a) Plato, *Apologia*, p. 30e-31b.

(b) Aristotle, *Poetics*, ch. 13-14, p. 1453 a31-b12.

2. Translate :—

Thuc. IV. 36.

3. Translate the passages in *one* of the following sections :—

Section A. (a) Aeschylus, *Prom. Vinct.* 853-868.

(b) Aeschylus, *Prom. Vinct.* 128-135.

- Section B. (a) Aeschylus, *Choephoroi*, 975-990.  
 (b) Aeschylus, *Choephoroi*, 22-31.  
 Section C. (a) Sophocles, *Antigone*, 1161-1176.  
 (b) Sophocles, *Antigone*, 117-125.  
 Section D. (a) Aristophanes, *Eirene*, 318-333.  
 (b) Aristophanes, *Eirene*, 1127-1139.

### GENERAL PAPER—TWO HOURS.

[*N.B.*—Candidates, who can obtain good marks in Composition (B 3), may omit the remaining questions in Grammar (B 1 and B 2), and need only do two questions in C.

Candidates under the New Regulations are required to do the Composition.]

#### A. UNPREPARED TRANSLATION.

*Alcibiades intrigues to prevent an alliance with Sparta.*

Ἐπεὶ δὲ πρέσβεις, ἐλθόντες ἐκ Λακεδαιμόνος αὐτοκράτορες, καὶ τῇ βουλῇ προσεντυγχάνοντες, ἔδοξαν ἐπὶ πᾶσιν ἡκεῖν τοῖς δικαίοις, δέϊσας ὁ Ἀλκιβιάδης, μὴ καὶ τὸν δῆμον ἀπὸ τῶν αὐτῶν λόγων ἐπαγώνηται, περιῆλθεν αὐτοὺς δι' ἀπάτης καὶ ὄρκων, ὡς ἅπαντα συμπράξων, ἂν μὴ φῶσι μηδ' ὁμολογήσωσιν ἡκεῖν αὐτοκράτορες· μάλιστα γὰρ οὕτως, ἃ βούλονται, γενήσεσθαι. Πεισθεντων δὲ, καὶ μεταστάντων ἀπὸ τοῦ Νικίου πρὸς ἐκείνον, ἐμβαλὼν αὐτοὺς εἰς τὸν δῆμον, ἡρώτα πρῶτον, εἰ περὶ πάντων ἡκούσιν αὐτοκράτορες· ὡς δ' ἡρνοῦντο, παρ' ἐλπίδας μεταβαλόμενος, τὴν τε βουλήν ἐπεκαλεῖτο μάρτυρα τῶν λόγων, καὶ τὸν δῆμον ἐκέλευε μὴ προσέχειν μηδὲ πιστεῦειν οὕτω περιφανῶς ψευδομένοις καὶ νῦν μὲν ταῦτα νῦν δὲ τάναντία περὶ τῶν αὐτῶν λέγουσι. Θορυβουμένων δ', ὡς εἰκὸς, αὐτῶν, καὶ τοῦ Νικίου μηδὲν ἔχοντος εἰπεῖν, ἀλλ' ἄχει καὶ θαύματι πεπληγότος, ὁ μὲν δῆμος εὐθὺς ὥρμητο τοὺς Ἀργεῖους καλεῖν καὶ ποιεῖσθαι συμμάχους· ἐβοήθησε δὲ τῷ Νικίᾳ σεισμός τις διὰ μέσου γενόμενος, καὶ διαλύσας τὴν ἐκκλησίαν.

#### B. GRAMMAR AND COMPOSITION.

1. Write out the present indicative of εἰμί and εἶμι, and give one person of all the moods and the infinitive and participle of ἔτλην: the genitive singular and the dative plural of—μήτηρ, φύς, νῖος: and the stem, the future indicative and the perfects and aorists in use of—πάσχω, στρέφω, τέμνω; and parse—τεθναίην, διδῶς, ὄψω, τῷ, τῶ, and ᾗδη.

2. What constructions are used with πρίν? Form examples.

3. Turn into Greek:—

It was through Cleon that the ambassadors went away without effecting anything; for he opposed the peace, because Nicias was eager for it, and he persuaded the people so that they rejected it. But when the Athenians found that the siege was lasting a long time, they became angry with Cleon; and he declared Nicias was to blame: for if the enemy escaped, it would be through his cowardliness. 'Had I been general,' said he, 'they would not have held out so long.' The Athenians at once asked, why he did not go himself; and Nicias rose up and declared that he was willing to give up the command to him, and bade him take what forces he pleased in order that he might go and perform some action worthy of his professions.

## C. LITERATURE, ANTIQUITIES AND HISTORY.

Discuss concisely *three* of the following, taken from one of the two sections :—

I. *Early period.*

1. The moral character of the Homeric age.
2. The Greek oracles and their influence.
3. The Spartan discipline.
4. The Tyranny of Peisistratus.
5. Thermopylae.
6. The Heliaea.

II. *Period from 478—404 B.C.*

1. The Athenian Strategoi.
2. The origin of the Athenian empire.
3. Cleon and Brasidas in Thrace.
4. The Athenian interference in Sicily.
5. The Oligarchy of the Four Hundred.
6. Thucydides the historian.

## B.—DEPARTMENT OF MENTAL PHILOSOPHY.

## LOGIC—THREE HOURS.

[Candidates are required to answer TEN questions, FIVE of which must be selected from Section A, and FIVE from Section B of this Paper.]

## A.

1. Point out various meanings of the term *Truth*. Explain and illustrate the difference between Contingent and Necessary Truths.

2. Explain and distinguish *sensation* and *perception* : *memory*, *fiction*, *illusion* ; *image* and *concept* ; *judgment* and *belief*.

3. What is meant by the theory of Latent Mental Modifications ? Examine it critically.

4. State and examine Kant's doctrine of Time and Space as forms of Intuition.

5. Can Causality be identified with Uniformity of Sequence, or with Necessary Connection ? Give reasons for your answer.

6. State precisely Reid's doctrine of the First Principles of Knowledge. Does his view differ from that of Kant on this subject ? If so, how ? Add remarks.

7. What is the meaning and import of the law of Difference and Plurality in Knowledge ? How does it bear on schemes of Monism or Absolutism ?

8. "Sensation is our consciousness of an affection of the animated bodily organism." Explain and examine this statement.

## B.

1. Explain precisely what is meant by Contrary and Contradictory Opposition of Terms and Propositions. Give an example of each. State the Contrary, Contradictory, and Subaltern of—Every great orator is a true patriot.

2. Put each of the following propositions into strict logical form. Give all that may be immediately inferred from each of them :—

(a) The burnt child dreads the fire.

(b) All that glitters is not gold.

(c) No one who presented himself failed to pass.

3. What is meant by Aristotle's *dictum de omni et de nullo*? Illustrate it by reference to Syllogism. Is it applicable to all forms of reasoning?

4. Give an example of (a) a hypothetical Syllogism, (b) a Dilemma. What fallacies have to be specially guarded against in these forms of reasoning?

5. Are the moods *EAA*, *EEE*, *AAE*, *IAA* possible? Give reasons for your answers.

6. In what figure is *AAE* valid? Is there any figure in which it is invalid?

7. Pronounce on the validity of the following :—

All men are mortal,

All men are rational,

Therefore all rational beings are mortal.

8. What is the mood and figure of the following? Reduce it.

No camels are rational,

Some camels are docile,

Therefore some docile animals are not rational.

## MORAL PHILOSOPHY.—THREE HOURS.

A. FOR STUDENTS OF SESSIONS 1892-3, 1890-91, 1888-9, OR ANY SESSION BEFORE 1885-6.

*Candidates are required to answer NINE questions.*

1. Compare Hume's treatment of the question of Freedom with that of Kant.

2. Analyse the idea of Development. What are the defects in Darwin's view of it?

3. "Philosophy can do nothing without abstraction." "The aim of Philosophy is to give us the most concrete and complete view of the world." Discuss these two statements. Are they reconcilable?

4. How does Butler criticise the doctrine that benevolence, like all the other desires of man, is ultimately selfish? Is his own view of the question satisfactory?

5. What are the main difficulties in the application of the idea of Design to the organic world? Can they be met?

6. Can the 'sum of pleasures' be legitimately taken as the end of action?

7. Give and criticise Comte's view of Religion.

8. What is Casuistry? Explain how the need for it arises, and what are the difficulties in the way of constructing a casuistical system.

9. Discuss the moral value of the Sense of Honour.

10. "The Greeks were the first people who rose to the idea of the State." Explain this saying. What were the main excellences and defects in the political order as it was realised in Greece?

11. "Virtue is Habit." "Virtue is Knowledge." Compare and contrast these two views. Are they reconcilable?

12. "Make your actions consistent with the idea of a possible Kingdom of Ends." Discuss the value of this statement of the Moral Law.

#### B. FOR STUDENTS OF SESSIONS 1891-2 AND 1887-8.

*Candidates are required to answer NINE questions.*

1. What is the general character of Proverbial Morality, and especially of the Proverbial Morality of Greece?

2. Discuss the Socratic view of Virtue. How does Plato modify it?

3. Compare and contrast the views of Plato and Hobbes as to the Social Contract.

4. Give the argument of the Theætetus as to the nature of knowledge.

5. What is meant by the idea of Organism? How far does Plato reach an organic view of the State?

6. The Relation of Right and Duty. Discuss Plato's views of it.

7. Discuss Plato's main arguments for the Immortality of the Soul.

8. Is there any indication of development or variation in Plato's statements of the theory of Ideas?

9. Discuss Plato's view of the relation of the different Virtues.

10. Give an account of the development of the conceptions of Property and Contract in the Roman Law.

11. Compare the Platonic Socialism with any modern Socialistic System.

12. What is meant by the distinction between the Social and the Political Orders? Does Plato recognise it?

#### C. FOR STUDENTS OF SESSIONS 1889-90 OR 1885-86.

*Candidates are required to answer NINE questions.*

1. What is the view of the science of Ethics stated in the first chapter of the first book of Aristotle's Ethics? How far does it go beyond the view of Socrates either in definiteness or in the elements it contains?

2. Discuss Aristotle's view of the relation of Theory to Practice.

3. What, according to Aristotle, is the relation of the organic and the sensitive to the rational life in man?



4. "The good man alone loves himself." Discuss this view of Aristotle, and illustrate it by comparison with the views of Mr. Spencer as to Egoism and Altruism.

5. Examine Aristotle's view of Temperance, and discuss its relation to modern conceptions of the same virtue.

6. Discuss the Aristotelian conception of the Mean, and Kant's criticism of it.

7. What is Aristotle's view of the limits of the Responsibility of man for his actions and their consequences?

8. Discuss the Aristotelian view of Justice, and compare it with the principles embodied in Roman Law.

9. What is Aristotle's view of the function of the State? Criticise it.

10. On what principle is Aristotle's list of virtues framed? How far is it defective from a Christian point of view?

11. Discuss the Aristotelian view of the nature of Pleasure, and its relation to Happiness.

12. What is Socialism? Give an account and criticism of some modern Socialistic System.

#### D. FOR STUDENTS OF SESSION 1886-87.

*Candidates are required to answer NINE questions.*

1. Compare and contrast Scepticism and Criticism.

2. What is the general purport of the Transcendental Deduction of the Categories?

3. How, according to Kant, does the Imagination contribute to Knowledge?

4. What are the Ideas of Reason, and what function have they in the Kantian system?

5. "There is nothing absolutely good but a good Will." How does Kant prove this? Discuss his argument.

6. Does Kant support the idea of Liberty of Indifference?

7. "Everything in nature works according to laws. Rational beings alone have the faculty of acting according to the *conception* of laws." What is the importance of this distinction in Kant's view of Ethics?

8. "Make your actions conform to the idea of a possible Kingdom of Ends." What is the force of this statement of the moral law? Is it quite consistent with Kant's general view of morals?

9. Discuss Kant's view of the relation of Ethics and Politics.

10. Discuss Kant's view of the *Summum Bonum*.

11. What different views have been taken of the object of Penal Justice? Compare them.

12. What was the influence of the Stoic philosophy upon Roman Law?

## ENGLISH LANGUAGE AND LITERATURE—THREE HOURS.

### I. FOR STUDENTS OF SESSIONS BEFORE 1892-93.

(Answer NINE questions, taking one from A, FOUR from B, ONE from C, and ONE from D. The remaining TWO may be taken from any section or sections of the Paper. Question 18 must be attempted.)

#### A. COMPOSITION AND PHILOLOGY.

##### 1. Criticise and re-write the following sentences:—

(a) The reason of the execution of Socrates must be considered to be due to the bad reputation of some of his pupils.

(b) His self-laudations were equally if not more out of place than his apologies.

(c) Both of them hated each other, but neither were brave enough to openly attack the other.

(d) Having had some experience, he seems to me one of the most unpromising young men that was ever at College.

(e) He was always screwing up his courage to the sticking-place, preparatory to letting it ooze out of the tips of his fingers.

(f) He is said to have seldom or ever spoken or even corresponded with his son after his marriage to the woman he so much disliked.

2. What is meant by "fine writing"? How does it differ from "poetic prose"? Within what limits is the latter admissible?

3. Quote, or compose, an example of each of the following:—(a) a period, (b) isolated style, (c) antithesis, (d) irony, (e) euphemism, (f) metaphor, (g) pleonasm, (h) alliteration.

4. "The Teutonic languages form a sub-division of a great family of related languages." Explain what is meant by this, and indicate the place of English in the Teutonic group.

5. What were the chief differences between the English language at the beginning of the 11th century and the English language in Chaucer's time? How did these differences arise?

6. How did the English written in the eastern lowlands of Scotland in the fourteenth century differ from that written in Cambridgeshire, and from that written south of the Thames?

#### B. POETICAL LITERATURE OF SHAKESPEARE'S AGE.

7. Briefly discuss and illustrate the influence of the Revival of Classical Learning on the poetry of Shakespeare's age.

8. How far is the poetic effect of the *Faery Queen* dependent on the allegory? Refer specially to Book I.

9. Write an account of any two of the following:—(a) *Orchestra*, (b) *The Purple Island*, (c) *Faire-Virtue*, or the *Mistress of Philarete*, (d) *Nymphidia*, (e) the Sonnets of Shakespeare.

10. "The plays of Shakespeare's predecessors are inferior in point of art, but superior in moral spirit, to those of the later dramatists." Discuss this (leaving Shakespeare out of account).

11. Why has *Hamlet* been called a tragedy of thought, and *Macbeth* a tragedy of passion?
12. Discuss the characters of Jaques and Iachimo.
13. Explain, by reference to any of Jonson's plays, the ways in which his dramatic method differed from that of Shakespeare.
14. "Bellario, Bosola, and Mrs. Frankland are unnatural characters." Discuss this.
15. Which do you think the better play, *The Duke of Milan* or *A New Way to Pay Old Debts*?

#### C. CHAUCER'S PROLOGUE.

16. Discuss Chaucer's Knight as a representative of the chivalry of the fourteenth century.

17. "Chaucer was a Wiclifite." Does the description of the ecclesiastics in the *Prologue* bear out this assertion?

18. Paraphrase and explain:—

- (a) Hir gretteste ooth was but by seynt Loy.
- (b) His resons he spak ful solempnely,  
Sowninge alway thencrees of his winning.
- (c) She coude moche of wandring by the weye.  
Gat-tothed was she, soothly for to seye.
- (d) For whether that he payde, or took by taille,  
Algate he wayted so in his achat,  
That he was ay biforn and in good stat.
- (e) Of cursing oghte ech gulty man him drede—  
For curs wol slee right as assoilling saveth—  
And also war him of a *significavit*.
- (f) But first I pray yow of your curteisye,  
That ye narette it nat my vileinye,  
Thogh that I pleynly speke in this matere.

Scan (a) and (b). Which of the words in these six quotations come from Norman French?

#### D. ARNOLD'S SELECTIONS FROM WORDSWORTH.

*For Students of the Senior Class.*

19. Consider Wordsworth as a poet of humble life, illustrating from this volume.

20. Describe the *Ode on Intimations of Immortality from Recollections of early Childhood*, or the *Song at the Feast of Brougham Castle*, or the *Elegiac Stanzas suggested by a Picture of Peele Castle*. How far is Wordsworth's genius adequately represented by the poem you select?

21. Illustrate from this volume Wordsworth's statement that in his poems he attempted to "view Nature under moral relations."

#### D. SELECTED POEMS OF COLERIDGE.

*For Students of the Junior Class.*

19. Tell the story of *Christabel*. Is it true that the second part is decidedly inferior to the first?

20. How is it that, in spite of their resemblance, the *Ancient Mariner* and *Christabel* leave different impressions on the mind?

21. Illustrate from the Odes on *France* and on *Dejection* either (a) Coleridge's way of regarding and describing Nature, or (b) some of the characteristics of his style and versification.

## II.—FOR STUDENTS OF SESSION 1892-93.

[Answer NINE questions, taking ONE from A, FOUR from B, TWO from C, and ONE from D. The remaining question may be taken from any section of the paper. Questions 7 and 18 must be attempted.]

### A. COMPOSITION AND PHILOLOGY.

1. Criticise and re-write the following sentences:—

(a) The reason of the execution of Socrates must be considered to be due to the bad reputation of some of his pupils.

(b) His self-laudations were equally if not more out of place than his apologies.

(c) Both of them hated each other, but neither were brave enough to openly attack the other.

(d) Having had some experience, he seems to me one of the most unpromising young men that was ever at College.

(e) He was always screwing up his courage to the sticking-place, preparatory to letting it ooze out of the tips of his fingers.

(f) He is said to have seldom or ever spoken or even corresponded with his son after his marriage to the woman he so much disliked.

2. What is meant by "fine writing"? How does it differ from "poetic prose"? Within what limits is the latter admissible?

3. Quote, or compose, an example of each of the following:—(a) a period, (b) isolated style, (c) antithesis, (d) irony, (e) euphemism, (f) metaphor, (g) pleonasm, (h) alliteration.

4. "The Teutonic languages form a sub-division of a great family of related languages." Explain what is meant by this, and indicate the place of English in the Teutonic group.

5. What were the chief differences between the English language at the beginning of the 11th century and the English language in Chaucer's time? How did these differences arise?

6. How did the English written in the eastern lowlands of Scotland in the fourteenth century differ from that written in Cambridgeshire, and from that written south of the Thames?

### B. HISTORY OF ENGLISH POETRY FROM COWPER TO KEATS.

7. Name the author, give the approximate date, and add a description in two or three lines of each of the following poems:—(a) *Laodamia*, (b) *Peter Grimes*, (c) *The Vision*, (d) *Hymn of Pan*, (e) *Lines on the Receipt of my Mother's Picture*, (f) *The Book of Thel*, (g) *Lines on the Mermaid Tavern*, (h) *Frost at Midnight*, (i) *Cadyow Castle*, (j) *Fare thee well, and if for ever*.

8. "Shelley and Keats are much farther removed from the Classical Age than are Cowper and Crabbe." How does this appear in the writings of the four poets?

9. Describe the different ways in which any three of the poets of this period were influenced by the French Revolution.

10. Which of the characteristics of Romantic Poetry are most clearly seen in Burns; which in Blake; which in Coleridge?

11. Describe and criticise any two of the following:—*The Task*, *Christabel*, *Cain*, *Alastor*, *Hyperion*.

12. Illustrate the influence of the old Ballads, and the influence of Greek mythology and poetry, on the poets of this period.

13. Explain and illustrate Wordsworth's statement that he endeavoured to "view nature under moral relations."

14. Discuss the comparative merits of any three of Scott's longer poems.

15. "The spirit of Byron's poetry is not merely negative." Discuss and illustrate.

#### C. MACBETH.

16. Discuss either (a) the character of Lady Macbeth as it appears up to the end of Act II., Scene ii. (the murder of Duncan), or (b) the development of the character of Macbeth after the murder of Duncan.

17. Discuss either (a) the question whether the Porter's speeches are by Shakespeare, or (b) the dramatic effect of the scene where Lady Macduff appears.

18. Paraphrase and explain, with reference to the context, the following passages:—

(a) Where the Norweyan banners flout the sky,  
And fan our people cold.

(b) thou'ldst have, great Glamis,  
That which cries, "Thus thou must do, if thou have it";  
And that which rather thou dost fear to do  
Than wishest should be undone.

(c) If you shall cleave to my consent, when 'tis,  
It shall make honour for you.

(d) Acquaint you with the perfect spy o' the time.

(e) He has no children.

(f) This push  
Will cheer me ever, or disseat me now.  
I have lived long enough: my way of life  
Is fall'n into the sear, the yellow leaf.  
[Discuss the readings "disseat" and "way."]

#### D. GREEN'S SELECTIONS FROM ADDISON.

19. How far do Addison's political opinions appear in these Essays?

20. Write short sketches of two of the following characters:—Will Wimble, Tom Folio, Sir Timothy Tittle.

21. Notice some of the references in these Essays to (a) popular superstitions, (b) French manners, (c) London churches, (d) the theatre.



## C.—DEPARTMENT OF MATHEMATICS.

## MATHEMATICS.

## FIRST PAPER.—THREE HOURS.

1. Prove that triangles on the same base and between the same parallels are equal in area.

2.  $ABCD$  is a parallelogram and any two lines at right angles to one another are drawn through the point  $A$ . If  $E$  be the point in which one of the lines meets the line  $BC$ , and  $F$  the foot of the perpendicular from  $D$  on the other line, prove that the rectangle  $AE, AF$  is equal in area to the parallelogram  $ABCD$ .

3. Divide a straight line into two parts so that the rectangle contained by the whole line and one of the parts shall be equal to the square on the other part. Find what numerical fraction (approximately) the larger part is of the whole line.

4. Show that if a straight rod move so that its ends remain always on two intersecting straight lines at right angles to one another the middle point of the rod describes a circular arc.

5. Draw tangents to a circle from a given point without it.

Through a point equidistant from two parallel straight lines any two straight lines are drawn at right angles to one another. Prove that the line joining the intersections of every two lines so drawn with the parallel straight lines touches a fixed circle.

6. Describe an isosceles triangle such that the angle contained by the two equal sides is half of either base angle. What fraction of two right angles will the vertical angle be?

7. Give the geometrical definition of proportion, and contrast it with the arithmetical definition, deducing if you can the latter from the former.

8. Prove that if two triangles be equiangular to one another the sides about the equal angles shall be proportionals, and shall have those sides which are opposite to equal angles homologous.

9. Prove that triangles which are equal in area, and which have one angle of the one equal to one angle of the other, have their sides about the equal angles reciprocally proportional, and conversely.

Describe a rhombus equal in area to a given parallelogram and having the same angles.

10. Show that if  $AD, AF$  be two straight lines intersecting in  $A$ , and  $G, H$  be the feet of perpendiculars let fall from  $D$  and  $F$  on  $AF, AD$  respectively produced if necessary, then  $AF:AD::AH:AG$ .

Hence show that if  $ABCD$  be a parallelogram and  $AF$  any line drawn from  $A$ , and  $K, L, M$  be the feet of the perpendiculars let fall from  $F$  on  $AB, AD, AC$  respectively, then

$$\text{rectangle } AC \cdot AM = \text{rectangle } AB \cdot AK + \text{rectangle } AD \cdot AL.$$

11. Show that the square on the hypotenuse of a right-angled triangle is equal to the sum of the squares on the two sides.

Prove that the square on the perpendicular from the right angle on the hypotenuse is equal to the rectangle under the two segments of the hypotenuse.

12. Show that in equal circles or in the same circle two angles at the centre are in the same ratio to each other as the two arcs that they subtend. Show that this proposition applies also to two angles at the circumference.

## SECOND PAPER.—THREE HOURS.

1. Simplify the expressions

$$\frac{\frac{x}{1+x} - \frac{1-x}{x}}{\frac{x}{1+x} + \frac{1-x}{x}},$$

$$\frac{x+y}{x^3-y^3} + \frac{x-y}{x^3+y^3} - \frac{2(x^2-y^2)}{x^4+x^2y^2+y^4}.$$

2. Solve the equations

$$(1) \frac{x-1}{x-2} - \frac{x-3}{x-4} = \frac{x-2}{x-3} - \frac{x-4}{x-5},$$

$$(2) \frac{a+b}{x-a} + \frac{a-b}{x-b} = \frac{a}{x-a} - \frac{b}{x-b},$$

$$(3) (a+b)x - (a-b)y = c, \quad (a-b)x + (a+b)y = c.$$

3. Find the G.C.M. of  $(x^2-1)^2$ ,  $x^7-x^6-x+1$ , and the L.C.M. of

$$x^3-x^2-14x+24, \quad x^3-2x^2-5x+6, \quad x^2-4x+3.$$

Distinguish between the algebraic and the arithmetical G.C.M.

4. Investigate the condition that a quadratic equation may have equal roots, and show that for the equation

$$(x+p)(x+aq) + (x+ap)(x+q) = 0$$

the condition is

$$(a+1)^2(p^2+q^2) + 2(a^2-6a+1)pq = 0.$$

5. Solve the equations

$$(1) (x-1)(x-2) + (x-2)(x-3) + (x-3)(x-1) = 0,$$

$$(2) x^2+4ax = (b-c)^2 + 4(bc-a^2),$$

$$(3) \frac{x^2}{y} + \frac{y^2}{x} = 2, \quad x+y = 5,$$

$$(4) x^2+y = 11x, \quad y^2+x = 11y.$$

6. A man travels 105 miles at a certain rate. If he had travelled slower by 2 miles an hour he would have taken six hours longer. How long did he take?

7. Find the sum of 99 terms of the series

$$-1-3-5-7-\text{etc.}$$

and the sum to infinity of

$$a^2-b^2+(a+b)+\frac{a+b}{a-b}+\text{etc.}$$

$a-b$  being greater than unity.

8. Show how to find the numerically greatest term of  $(a+x)^n$  where  $n$  is a positive integer. Find the greatest term of  $(3-4x)^{20}$  when  $x$  is  $\frac{2}{3}$ .

9. If  $\frac{a}{b} = \frac{c}{d} = \frac{e}{f}$  show that the fraction is equal to

$$\frac{\sqrt[n]{pa^n + qc^n + re^n}}{\sqrt[n]{pb^n + qd^n + rf^n}}.$$

10. Define  $\sin A$ ,  $\cos A$ ,  $\tan A$ , and trace carefully the variations in sign and value of these quantities as  $A$  varies from 0 to  $2\pi$ .

Prove that as  $\theta$  is made smaller and smaller in numerical value, the value of  $\sin \theta/\theta$  approximates to unity.

11. Two sides of a triangle are 900 and 650 yards, and the angle which the greater of these makes with the third side is  $36^\circ$ . Find the third side and the other two angles of the triangle.

12. Assuming the ordinary formulas for  $\sin(A-B)$ ,  $\cos(A-B)$  prove

that 
$$\tan(A-B) = \frac{\tan A - \tan B}{1 + \tan A \tan B}.$$

Hence show that

$$\tan \frac{1}{2}A = -\frac{1}{\tan A} \pm \frac{1}{\sin A},$$

and interpret the double value given on the right hand side.

13. Prove that

$$\frac{\cos a - \sin a}{\cos a + \sin a} = \sec 2a - \tan 2a,$$

and that

$$\sin 4a = 4 \sin a \cos a - 8 \sin^3 a \cos a.$$

14. The sides of a triangle have lengths  $a$ ,  $b$ ,  $c$ . Prove that if  $p$  be the perpendicular on the side  $b$  on the opposite vertex

$$4b^2p^2 = 2b^2c^2 + 2c^2a^2 + 2a^2b^2 - a^4 - b^4 - c^4.$$

Hence or otherwise deduce the identity

$$2b^2c^2 + 2c^2a^2 + 2a^2b^2 - a^4 - b^4 - c^4 = (a+b+c)(b+c-a)(c+a-b)(a+b-c).$$

15. Express  $r_a$ ,  $r_b$ ,  $r_c$ , the radii of the three circles each touching the inscribed circle (radius  $r$ ) and two sides of a triangle, in terms of  $r$  and the segments of the sides made at the points of contact of the inscribed circle.

Prove that

$$r_a = r \tan^2 \frac{B+C}{4}.$$

## NATURAL PHILOSOPHY.

### FIRST PAPER—THREE HOURS.

1. Define velocity and acceleration (1) when uniform, (2) when variable, pointing out carefully in each case how the definition leads to the numerical measurement of the quantity in question.

Give illustrations of the fact that the varying velocity of a moving particle has a definite value at each instant.

2. Show that the space described from rest in a given time  $t$  by a body moving with uniform acceleration  $a$  is  $\frac{1}{2}at^2$ .

A stone falls from a balloon from a height of 880 yards. With what velocity will it strike the ground (1) when the balloon is at rest, (2) when the balloon is moving upwards with a velocity of 10 feet per second, at the instant when the stone parts company with it.

3. State Newton's second law of motion, explaining carefully the meaning of the terms used in your statement.

Derive from Newton's second law the absolute kinetic system of measurement of force. Define a *dyne*, a *poundal*, and give the corresponding gravitation units of force, showing clearly their numerical relation to the absolute units.

4. Describe Newton's pendulum experiment, stating clearly what the experiment proves. Give the various steps of the reasoning by which the conclusion is obtained from the observed experimental result.

Describe any other experiments from which the same conclusion can be deduced.

5. How may velocities, and therefore accelerations, be compounded? Hence deduce the theorem known as the parallelogram of forces from Newton's second law of motion.

Two forces of 36 and 48 units respectively act on a particle, and their directions are inclined at an angle of  $120^\circ$ . Calculate their resultant, and give the tangent of the inclination of the resultant to the smaller force.

6. Define work done by a force, and show that if a particle acted on by any two forces receive a displacement of given amount in any direction, the sum of the works done by the forces in the displacement is equal to the work done by the resultant in the same displacement.

Show how this theorem may be extended to any number of forces acting on a particle, and state the condition of equilibrium of a particle to which it leads.

7. A mass of 10 lbs. rests on a plane inclined at  $30^\circ$  to the horizontal, under the influence of an applied force acting parallel to the plane. Taking the coefficient of friction between the body and the plane as  $\frac{2}{5}$ , calculate by the principle of work, or otherwise, the applied equilibrating force (1) when the body is on the point of moving up, (2) on the point of moving down the plane.

8. Define simple harmonic motion, defining the terms *amplitude*, *period*, *epoch*, of a simple harmonic motion.

Deduce from the theory of simple harmonic motion the ordinary pendulum formula  $T = 2\pi\sqrt{l/g}$ , explaining carefully the meaning of the symbols, and the units in which the quantities are taken.

9. A particle of mass  $\frac{1}{10}$  gramme describes s. h. m. of total range 2 millimetres with a frequency of 512. Find the force acting on the particle (1) at either extremity of its range, (2) halfway between either extremity and the middle position.

10. Define potential energy, kinetic energy, and state the principle of conservation of energy. Explain what is meant by dissipation of energy, and show that it is quite consistent with the law of conservation.

A massive block of lead faced with wood is hung by light rods of iron from knife edges about which the whole mass turns as a rigid body. A bullet of mass  $m$  is fired into the block in a line through its centre of inertia, at right angles to the vertical plane of the knife edges, and the deflection of the pendulum is observed. Show how to deduce from the result and certain data obtained from the pendulum the velocity of the bullet. Work out the velocity for the case of mass of block 36700 grammes, distance of centre of inertia from knife edges 97 centimetres, angle of deflection  $\frac{1}{30}$  of a radian, mass of bullet 31 grammes.

11. Distinguish between a solid and a fluid and between a liquid and a gas. Give the criterion of a perfect fluid. How would you class such a substance as pitch or shoemaker's wax? State carefully the reasons for your answer.

12. Define pressure at a point in a fluid, and prove that in a perfect fluid the pressure at each point is the same in all directions.

Prove that if two columns of different liquids equilibrate one another in a U tube the heights of the columns above the common surface of separation are inversely as the densities of the liquids. Describe a simple apparatus for comparing by means of this principle the densities of two liquids.

13. State the principle of Archimedes.

State the conditions of equilibrium of a floating body (1) when the body is wholly immersed, (2) when it is only partially immersed. Define the terms centre of buoyancy, metacentre, metacentric height, and show how the righting moment depends on the angle of heel and the latter quantity.

#### VOLUNTARY QUESTIONS.

14. State Kepler's laws of planetary motion, and give Newton's deductions from them.

15. Give a careful explanation of the changes of the seasons, and the variations throughout the year of the interval from sunrise to sunset.

16. What is meant by *precession of the equinoxes*? To what motion of the earth is it due? Explain how this motion is produced, giving any dynamical illustrations of it with which you may be acquainted.

17. Describe as carefully as you can the appearance of the heavens as it would be seen by an observer situated near the centre of that face of the moon which is turned towards the earth. Describe also the changes which would take place in the aspect of the heavens in the course of a lunation.

18. How are the eclipses of the sun and moon produced? Explain carefully why they do not occur every month but only at certain predictable times.

Explain how it is that the moon is visible when it is totally eclipsed.



## SECOND PAPER—THREE HOURS.

1. Describe the apparatus required, and the method for making real practical determinations of the force of gravity at different places on the earth.

Make a diagram (not to scale but as an illustration) showing apparent gravity as the resultant of earth's attraction and centrifugal force, at some place on the earth's surface between the pole and the equator.

2. Define a "modulus of elasticity." Define "Young's modulus."

Calculate the Young's modulus for a metal from the following data. A wire 20 feet long and 0.048 inch in diameter is stretched elastically 0.3 inch by the application of a pull of 25 pounds weight.

3. What is meant by the "length modulus," or "length of the modulus"?

The compressibility of water is  $\frac{1}{21000}$  per atmosphere. Find the velocity of sound in water. [34 feet of water give 1 atmo. pressure.]

4. Describe carefully any method (not astronomical) for determining the velocity of light.

5. What is meant by principal focus of a lens, and what by conjugate foci? How is the focal length of a double convex lens calculated? Define "index of refraction."

6. Describe what may be seen, as a general rule, when a ray of light falls on a rhomb of Iceland spar. Describe the examination of the ordinary and extraordinary rays by means of a Nicol's prism. Define "plane of polarisation."

7. A balloon containing 10,000 cubic feet of gas at  $15^{\circ}$  C., and pressure 75.3 centimetres of mercury, on rising is cooled to  $3^{\circ}$  C., and the pressure is 64.7 centimetres. Find the volume of the gas.

8. A copper tray 3 millimetres thick, and  $42 \times 23$  centimetres in area, is placed on a slab of ice, and kept for half an hour filled with water at  $27^{\circ}$  C. How much ice is melted in the time? [Conductivity of copper for heat from your tables.]

9. Define "declination," "inclination," "horizontal force," in terrestrial magnetism. How is the total force related to the horizontal force? Give a brief description of some of the secular changes which are known in the terrestrial magnetic elements.

10. State very carefully the law of variation with distance of electrostatic attraction between two electrified bodies. Describe and explain some accurate method of examining the law.

11. Describe Volta's pile, and give Volta's explanation of its action. How must the original explanation be modified in order to account for the electric current?

12. State the general laws of electrolysis. Describe an experiment for proving them, and for comparing the results with the indications of the tangent galvanometer.

II.—FOR DEGREE OF M.A. WITH HONOURS.  
(AND FOR SNELL EXHIBITIONS, APRIL, 1893.)

LATIN TRANSLATION.—THREE HOURS.

Translate :—

1. (a) Virg. *Aen.* VII. 310—322.  
      (b) Hor. *Odes*, I. 24. 9—20.  
      (c) Hor. *Sat.* I. 10. 50—61.  
      (d) Juv. XIV. 281—297).  
      (e) Tac. *Ann.* II. 33.  
      (f) Livy, XXIII. 43—44.
2. One of the following passages :—  
      (a) Cic. *Phil.* III. § 24—25.  
      (b) Cic. *Ad Attic.* XIII. 52.
3. Two of the following passages :—  
      (a) Lucr. II. 317—330.  
      (b) Plautus, *Miles Glor.* I. 1. 16—30.  
      (c) Persius, III. 94—106.  
      (d) Martial, II. 43.
4. Statius, *Sylvae*, V. 4.

LATIN PROSE.—THREE HOURS.

*The English Constitution.*

No unbiassed observer who derives pleasure from the welfare of his species can fail to consider the long and uninterruptedly increasing prosperity of England as the most beautiful phenomenon in the history of mankind. Climates more propitious may impart more largely the mere enjoyments of existence; but in no other region have the benefits that political institutions can confer been diffused over so extended a population; nor have any people so well reconciled the discordant elements of wealth, order, and liberty. These advantages are surely not owing to the soil of this island, but to the spirit of its laws, from which through various means the characteristic independence and industriousness of our nation have been derived. The constitution therefore of England must be to inquisitive men of all countries an object of superior interest; distinguished especially as it is from all free governments of powerful nations which history has recorded, by its manifesting after the lapse of several centuries, not merely no symptom of irretrievable decay, but a more expansive energy. Comparing long periods of time, it may be justly asserted that the administration of government has progressively become more equitable and the privileges of the subject more secure: and though it would be both presumptuous and unwise to express an unlimited confidence as to the durability of these liberties, yet if we calmly reflect on the present aspect of this country, it will probably appear that whatever perils may threaten our constitution are rather from circumstances altogether unconnected with it than from any intrinsic defects of its own.

HALLAM.

## GREEK TRANSLATION.—THREE HOURS.

1. Translate :—
  - (a) Hom. *Odyssey*, V. 465—474.
  - (b) Thuc. IV. 59, 60.
  - (c) Aesch. *Agam.* 1178—1190.
2. Translate *one* passage in each of the following sections :—
  - A. (a) Pind. *Pyth.* VIII. 126—145 (88—100).
  - (b) Pind. *Isthm.* VI. (VII.) 51—72 (37—51).
  - (c) Soph. *O.T.* 1384—1396.
  - B. (a) Plato, *Phaedo*, 107d—108b.
  - (b) Aristotle, *De Rep. Athen.* XI., XII.
3. Translate :—Plato, *Rep.* p. 401a—d.
4. Special Books.
  - A. (a) Translate, with brief notes upon the meaning :—Hom. *Odyssey*, X. 82—86.
  - (b) Translate, with brief notes upon the syntax, comparing it with the Attic usage :—Hom. *Odyssey*, XII. 345—351.
  - (c) Give the meaning, and the derivation or formation, of the following words :—*εἰλιποδας ἑλικας* [βοῦς], *εὐδείελος*, *ἔφαν*, *βεβλήσται*, *ἄμβροτος*, and *παιπαλόεσσα*.
  - B. (a) Translate, with brief notes upon the meaning :—Aeschylus, *Choephoroi*, 61—67.
  - (b) Translate, with brief notes :—Aeschylus, *Choephoroi*, 875—884.
  - C. Translate, with brief notes :—(a) Sophocles, *Antigone*, 124—133. Discuss the various readings, *δράκοντι*, *δράκοντος*, in the third line, and *ὑπερόπτης*, *ὑπεροπλῆις* in the seventh.
  - (b) Sophocles, *Antigone*, 1033—1043.
  - D. Translate, with brief notes upon the syntax or meaning :—
    - (a) Plato, *Apologia*, p. 26d—e.
    - (b) Plato, *Apologia*, p. 28d—29a.
  - E. (a) Translate, and discuss briefly, the meaning of the following passages :—Aristotle, *Poetics*, chap. 6, § 2, p. 1449b, 24—28.
  - (b) Translate and comment on :—Aristotle, *Poetics*, chap. 18, § 7, p. 1456a, 26—32.

## GREEK PROSE.—THREE HOURS.

*Constitutional Reform.*

I am far indeed from wishing that the members of this House should be influenced by fear in the bad and unworthy sense of that word. But there is an honest and honourable fear, which well becomes those who are intrusted with the dearest interests of a great community; and to that fear I am not ashamed to make an earnest appeal. It is very well to talk of confronting sedition boldly, and of enforcing the law against those who disturb the public peace. No doubt a tumult caused by local and temporary irritation ought to be suppressed with promptitude and vigour. But woe to a government which thinks that a great, a steady,

a long continued movement of the public mind is to be stopped like a street riot! This error has been twice fatal to the great house of Bourbon. God be praised, our rulers have been wiser. The golden opportunity, which, if once suffered to escape, might never have been retrieved, has been seized. Nothing, I firmly believe, can now prevent the passing of this noble law. This year will exhibit the first example of the manner in which it behoves a free and enlightened people to purify their polity from old and deeply seated abuses, without bloodshed, without violence, without rapine, all points freely debated, all the forms of senatorial deliberation punctiliously observed, industry and trade not for a moment interrupted, the authority of the law not for a moment suspended. These are things of which we may well be proud. These are things which swell the heart up with a good hope for the destinies of mankind.

MACAULAY.

## GENERAL PAPER.—THREE HOURS.

### A. LATIN.

1. A. Translate, with short notes upon the syntax and where necessary upon the meaning:—

- (a) Turne, quod optanti divom promittere nemo  
Auderet, volvenda dies, en, attulit ultro.
- (b) Devictam Asiam subsedit adulter (*varia lectio devictae Asiae*).
- (c) Fulgentem imperio fertilis Africae  
Fallit sorte beator.
- (d) Utne tegam spurco Damae latus?
- (e) Ergo haut difficile est perituram arcessere summam  
lancibus oppositis vel matris imagine fracta,  
et quadringentis nummis condire gulosum  
ficile: sic veniunt ad miscellanea ludi.
- (f) Fama dediti benigneque excepti Segestis vulgata, ut quibusque  
bellum invitis aut cupientibus erat, spe vel dolore accipitur.

B. Discuss and illustrate the style of Tacitus.

C. The General Features of the Augustan period of Literature.

2. Discuss *two* of the following subjects:—

- (a) The position of the Senate during the later years of the Republic.
- (b) Cicero as a Statesman.
- (c) The Servile Wars.
- (d) The populace of Rome under the Empire.

### B. GREEK.

1. A. Translate, with short notes upon the syntax or meaning:—

- (a) Αὐτὴ δὲ χθαμαλὴ πανυπερτάτῃ εἰν ἀλλὴ κείται.
- (b) Ἐν τ' ἄρα οἱ φῶ χειρὶ ἔπος τ' ἔφατ' ἔκ τ' ὀνόμαζεν.
- (c) Μὴ τεχνήσάμενος μὴδ' ἄλλο τι τεχνήσαιτο,  
ὅς κείνον τελαμῶνα ἐῖν ἐγκάτθετο τέχνη.

- (d) Ἰαλτὸς ἐκ δόμων ἔβαν  
χοὰς πρόπομπος ὀξύχειρι σὺν κτύπῳ.
- (e) Πέπαλται δ' αὐτέ μοι φίλον κέαρ  
τόνδε κλύουσαν οἶκτον.
- (f) Εἰδῶμεν ἢ νικῶμεν ἢ νικώμεθα.
- (g) Οὐ γὰρ εἴχομεν  
οὔτ' ἀντιφωνεῖν, οὔθ' ὅπως δρώντες καλῶς  
πράττοιμεν.
- (h) ANT. σὺ μὲν γὰρ εἶλον ζῆν, ἐγὼ δὲ κατθανεῖν.  
ISM. ἀλλ' οὐκ ἐπ' ἀρρήτοις γε τοῖς ἐμοῖς λόγοις.
- (i) Οἴμοι· μὲν μὲν, καρδίας δ' ἐξίσταμαι  
τὸ δρᾶν.
- (j) Τί ἀξίός εἰμι παθεῖν ἢ ἀποτίσαι, ὅτι μαθὼν ἐν τῷ βίῳ οὐχ ἡσυχίαν  
ἦγον ;
- (k) Διὸ καὶ φιλοσοφώτερον καὶ σπουδαιότερον πόλεις ἱστορίας ἔστιν.

B. Discuss and give illustrations of the more common kinds of Greek Metaphors.

C. Contrast the three great Greek Tragedians.

2. Discuss *two* of the following subjects :—

- (a) The position of the Homeric kings.  
(b) The causes of the rapid rise of the Greek Colonies.  
(c) Alcibiades.  
(d) The Civil Feuds at Corcyra.  
(e) New light thrown on the Athenian Constitution by Aristotle's  
Treatise *De Republica Atheniensium*.

## LOGIC AND METAPHYSICS.

### FIRST PAPER.—THREE HOURS.

1. Explain precisely the significance of the old controversy between Nominalists and Conceptualists, and indicate in what form it can be said to have survived.
2. What is Berkeley's theory of Vision? What modifications of it have been suggested by modern psychological research?
3. "The *esse* of a being is its *percipi*." Explain and examine this.
4. Give a general account of the philosophy of Schelling. Add remarks.
5. Explain and criticise Kant's doctrine of space and time.
6. Distinguish the various senses of the term "Freedom." Indicate the present position of the controversy between Libertarian and Necessitarian.
7. State and criticise what is known as the Immanent Dialectic of Hegel.
8. State and examine Hegel's views as to the Finite and Infinite.
9. "There is no distinction between the Natural and the Supernatural." Explain and examine this statement.

### SECOND PAPER.—THREE HOURS.

1. Propositions have been divided into existential and qualitative. Is the distinction well founded? Add remarks.



2. State the law said to regulate the relations of Comprehension and Extension in concepts. Notice and examine criticisms of it.

3. State and criticise the grounds on which it has been maintained that the syllogism is a *petitio principii*.

4. In what senses does Mill use Causality? Are they consistent?

5. "Analogy is incomplete induction." Explain this statement, with special reference to the distinction commonly made between Induction and Analogy.

6. State the formal laws of Thought. What precisely is the position regarding them taken up by Hegel? Criticise it.

7. Can Formal Logic be vindicated as a distinctive science? Give reasons.

8. State the doctrine of the Quantification of the Predicate. Notice and examine criticisms of it.

9. Give a brief account of the principle or principles at the root of Induction.

## MORAL PHILOSOPHY.

### FIRST PAPER.—THREE HOURS.

1. Discuss the relation of the idea of Good to the other ideas in the Platonic Philosophy.

2. What is the method of Aristotle's Ethics? Can it be called strictly either induction or deduction?

3. Compare the views of Aristotle and Plato upon the nature of Pleasure. To what modern theories do they respectively correspond?

4. Discuss the Monadism of Leibniz with special reference to the relations of the Monads to each other and to God.

5. Give and examine Kant's view of the function of Imagination or Knowledge.

6. "The truth of necessity is Freedom." How far does Kant admit this principle in his treatment of the question of Freedom? How would Hegel reject or modify his views?

7. Compare and contrast the Utilitarianism of J. S. Mill and Professor Sidgwick with regard to (a) the object of desire, (b) the place of reason in the moral life.

8. What is the meaning of Green's contention that all knowledge is of relations? Discuss the objections that have been made against it.

9. "In his politics and especially in his doctrine of the Social Contract, Locke followed the method which, in his speculative philosophy, he did most to discredit." Examine this.

10. What are the main theories of moral evil suggested by modern philosophy, and which of them is the most adequate?

### SECOND PAPER.—THREE HOURS.

1. "Philosophy seeks stability not in its foundation but in its keystone." Explain this statement, illustrating it by the respective starting-points of Des Cartes and Hegel.

2. "Ethics is a normative science, for it has to do not with that which is but with that which ought to be." Discuss this distinction.
3. What is the test of Reality? Illustrate your answer by a reference to the distinctions (a) between truth and error, (β) between reality and appearance.
4. "There is no real opposition between the principles of Individualism and Socialism." Explain and examine this statement.
5. In what senses may it be maintained that Duties and Rights are reciprocal?
6. "The metaphor of an organism when applied to Society affords a field for ingenuity rather than for insight." How far is this true of Mr. Spencer's doctrine as to the social organism?
7. The relation of the Conscious to the Unconscious in moral life and moral development.
8. How far can Morality be divorced from Religion?
9. Are the three terms in the ideal of Liberty, Equality and Fraternity quite consistent with each other?

## MATHEMATICS.

### FIRST PAPER.—THREE HOURS.

1. Prove that the locus of the intersection of tangents to an ellipse with the perpendiculars let fall upon them from the foci is a circle described on the major axis of the ellipse as diameter.

Prove that if  $S$  be the focus,  $RSQ$  a chord intersecting this circle in  $R$  and  $Q$ , the rectangle  $RS \cdot SQ$  = square on the semi-minor axis of the ellipse.

2. Prove the fundamental formula of spherical trigonometry, namely,

$$\cos c = \cos a \cos b + \sin a \sin b \cos C,$$

and show that

$$\frac{\sin A}{\sin a} = \frac{\sin B}{\sin b} = \frac{\sin C}{\sin c}.$$

3. Prove by means of the polar triangle that

$$\cos C = -\cos A \cos B + \sin A \sin B \cos c,$$

and deduce rules for the solution of right-angled spherical triangles.

4. Show that the area of a spherical triangle is  $E r^2$  where  $E$  is the spherical excess and  $r$  the radius of the sphere on which the triangle is drawn.

Using Napier's analogies or otherwise prove Lhuillier's theorem that

$$\tan \frac{1}{4}E = \sqrt{\tan \frac{1}{2}s \tan \frac{1}{2}(s-a) \tan \frac{1}{2}(s-b) \tan \frac{1}{2}(s-c)},$$

where

$$s = \frac{1}{2}(a+b+c).$$

5. If

$$\frac{ax}{cy+bz} = \frac{by}{az+cx} = \frac{cz}{bx+ay} = 1,$$

prove that

$$a^3 + b^3 + c^3 - 3abc = 0.$$

Also show that if  $\frac{xyz}{y+z} - x^2 = \frac{xyz}{z+x} - y^2,$

where  $x$  is not equal to  $y$ , each of these is equal to

$$\frac{x/z - z^2}{x + y},$$

and further, that  $x^3 + y^3 + z^3 + 3xyz = (x + y + z)^3$ .

6. Prove that the arithmetic mean of two positive quantities is not less than their geometric mean. Hence, or otherwise, prove that the arithmetic mean of  $n$  positive quantities is not less than their geometric mean.

7. From the exponential series derive the series

$$\log(1+x) = x - \frac{x^2}{2} + \frac{x^3}{3} - \frac{x^4}{4} + \dots,$$

and examine its convergency.

Hence derive the more rapidly convergent series

$$\log(1+x) - \log x = 2 \left[ \frac{1}{2x+1} + \frac{1}{3(2x+1)^3} + \dots \right],$$

and calculate by its means  $\log 2$  to seven places of decimals.

8. Assuming the equation

$$\sin \theta = \theta \left( 1 - \frac{\theta^2}{\pi^2} \right) \left( 1 - \frac{\theta^2}{2^2 \pi^2} \right) \dots,$$

prove that

$$\frac{1}{2}\pi = \frac{1}{3} \cdot \frac{1}{15} \cdot \frac{3}{35} \cdot \frac{5}{63} \dots$$

Deduce the corresponding expression for  $\cos \theta$ .

9. Write down the general equation of the second degree and show by means of it that two real or two imaginary lines can be drawn through the origin each of which meets the curve at infinity. Find the equation which gives the inclinations of these lines to the axis of  $x$ , and discuss the different cases classifying the curves represented by the equation.

10. Define the terms pole and polar with respect to a conic section, and find the equation of the polar of a given point  $h, k$ . Prove that if two points  $A, B$  be such that the polar of  $A$  passes through  $B$ , the polar of  $B$  passes through  $A$ .

11. Prove strictly that the limit, when  $x$  is very great, of  $\left(1 + \frac{1}{x}\right)^x$  is

$$1 + 1 + \frac{1}{2!} + \frac{1}{3!} + \dots,$$

and hence show that

$$\frac{d(\log x)}{dx} = \frac{1}{x}.$$

12. Write down the expressions for the tangent, normal, subtangent, subnormal of any plane curve.

Calling two curves *parallel* when they have common normals always differing in length by the same amount, show that the differential equation of a curve parallel to the ellipse

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} - 1 = 0$$

is

$$\xi - \eta p = -p \frac{a^2 + b^2}{\sqrt{p^2 a^2 + b^2}}.$$

13. Establish the theorem

$$\phi(e^t) = \phi(1) + \phi(E) \phi \cdot t + \phi(E) \phi^2 \cdot \frac{t^2}{1 \cdot 2} + \dots,$$

and hence prove that

$$\Delta^n u = \frac{d^n u}{dx^n} + \frac{\Delta^n u^{n+1}}{(n+1)!} \frac{d^{n+1} u}{dx^{n+1}} + \dots$$

14. Solve the difference equations

$$\Delta u_x + \Delta^2 u_x = x + \sin x, \quad u_{x+2} \pm n^2 u_x = \cos mx.$$

## SECOND PAPER.—THREE HOURS.

1. Prove that  $\cos(x+yi) = \cos x \cosh y - i \sin x \sinh y$ ,

$$\sin(x+yi) = \sin x \cosh y + i \cos x \sinh y,$$

where  $\cos$ ,  $\sin$  denote the functions as defined by the series

$$\cos z = 1 - z^2/2! + z^4/4! - \dots, \quad \sin z = z - z^3/3! + z^5/5! - \dots$$

Why are  $\cosh x$ ,  $\sinh x$  called the hyperbolic cosine and sine respectively of  $x$ ?

2. Prove that if  $\omega$  is an imaginary cube root of unity the expression  $(\alpha + \beta\omega + \gamma\omega^2)^3$  acquires two and only two values when  $\alpha$ ,  $\beta$ ,  $\gamma$  are permuted in all possible ways. If the values are  $\xi$ ,  $\eta$ , prove that we may put

$$\alpha = \frac{1}{3}(\rho + \xi^{\frac{1}{3}} + \eta^{\frac{1}{3}}), \quad \beta = \frac{1}{3}(\rho + \omega^2 \xi^{\frac{1}{3}} + \omega \eta^{\frac{1}{3}}), \quad \gamma = \frac{1}{3}(\rho + \omega \xi^{\frac{1}{3}} + \omega^2 \eta^{\frac{1}{3}}),$$

where

$$\rho = \alpha + \beta + \gamma.$$

3. Define a determinant. Show that the determinant  $\Delta'$  formed by the first minors of a given determinant  $\Delta$  is equal to  $\Delta^{n-1}$ , where  $n$  is the number of rows or columns in  $\Delta$ .

Show that if there exist a relation connecting the functions  $u_1, u_2, \dots, u_n$ , of  $x_1, x_2, \dots, x_n$ , then

$$\frac{\partial(u_1, u_2, \dots, u_n)}{\partial(x_1, x_2, \dots, x_n)} = 0.$$

4. If  $\phi$  denote any function of  $x$ , prove that

$$\frac{d^n(x\phi)}{dx^n} = n \frac{d^{n-1}\phi}{dx^{n-1}} + x \frac{d^n\phi}{dx^n},$$

and hence show that if  $P_n = \frac{d^n}{dx^n} \{(x^2 - 1)^n\}$ ,

$$P_{n-1} = \frac{1}{n} \left( \frac{dP_n}{dx} - x \frac{dP_{n-1}}{dx} \right).$$

5. Find the equations of a cycloid and trace the curve. Calculate the length of the curve between two successive cusps.

6. Find the integrals

$$\int \frac{dx}{x^3 - x^2 - x + 1}, \quad \int \frac{dx}{\sqrt{x^2 - a^2}}, \quad \int \frac{dx}{\sqrt{a^2 - x^2}}, \quad \int p^2 \log(a^2 + p^2) dp,$$

7. Show that 
$$\int_0^x e^{-ax} \sin x dx = \frac{1}{a^2 + 1},$$

and therefore that 
$$\int_0^\infty e^{-\beta x} \frac{\sin x}{x} dx = \frac{\pi}{2} - \tan^{-1} \beta,$$

where  $\beta > 0$ .

Hence evaluate the integral

$$\int_{-\infty}^{+\infty} \frac{\sin ax}{x} dx$$

8. Show that the equations

$$x + y + z = 0, \quad \frac{yz}{b-c} + \frac{zx}{c-a} + \frac{xy}{a-b} = 0$$

represent two straight lines, and find the angle between them.

9. Investigate the nature of the surface

$$x^2 + y^2 + z^2 + xy + yz + zx = 1.$$

Define corresponding points on two confocal ellipsoids; and prove that the distance between any two points, one on each of two confocal ellipsoids, is equal to the distance between the corresponding points.

10. Define the indicatrix of a surface at a given point. Find its equation, and discuss briefly the various possible cases.

Prove that the sum of the radii of curvature for any two normal sections containing conjugate diameters of the indicatrix is equal to the sum of the principal radii of curvature.

11. Define curvature and tortuosity of a curve in space, and calculate their values in terms of the direction cosines of the curve, and of the osculating plane, respectively, at the point considered.

Show that the tortuosity of a fine screw thread of pitch  $\theta$  is equal to curvature  $\times \tan \theta$ .

12. Solve the equation  $(1 + p^2)(y - xp)^2 = a^2 p^2$ , and find also its singular solution. Discuss the geometrical relation between the primitive and the singular solution.

13. Solve the equations

$$\frac{d^4 y}{dx^4} - 3 \frac{d^2 y}{dx^2} + 2y = \cos x, \quad p \tan x + q \tan y = \tan z,$$

$$\frac{d^2 X}{dx^2} - Y = 0, \quad \frac{d^2 Y}{dx^2} + X = 0.$$

## NATURAL PHILOSOPHY.

### FIRST PAPER.—THREE HOURS.

1. Define moment of inertia and radius of gyration of a body round a given axis.

Prove that the moment of inertia of a system round any axis is equal to the moment of inertia round a parallel axis through the centre of inertia, together with the moment of inertia round the given axis of a particle of mass equal to the total mass of the system and situated at the centre of inertia.



2. What is meant by Poinso't's momental ellipsoid? Prove that such an ellipsoid can be described round every point of a rigid body as centre.

3. Show that if  $\theta$  be the deflection of a ballistic pendulum when a bullet of mass  $m$  is fired into it with velocity  $v$ ,

$$v = 2 \frac{Mk \sqrt{gh} \sin \frac{\theta}{2}}{mp}$$

where  $p$ ,  $h$ , are the distances of the line of motion of the bullet and the centre of inertia from the line of knife-edges, and  $k$  is the radius of gyration round the knife-edges.

Supposing the pendulum to consist of a solid cylinder of radius  $r$  and length  $l$  suspended with its axis at right angles to the vertical plane through the knife-edges calculate the value of  $k$ .

4. State Kepler's laws and make Newton's deductions from them.

Correct the third law so as to take into account the mass of the planet.

5. Write down Lagrange's equations of motion in generalised coordinates explaining fully the notation.

A simple pendulum of mass  $\mu$  and length  $r$  is suspended from the bob of another simple pendulum of mass  $m$  and length  $l$ , and both vibrate in the same plane; find the kinetic and potential energies of the system, when the latter pendulum is inclined at an angle  $\theta$ , and the former at an angle  $\phi$  to the vertical. Hence write down by Lagrange's method the equations of motion of the bobs.

6. Find the period of a simple pendulum vibrating through small arcs. Find a first approximation to the effect of arc of vibration on the period.

Show that the period of an infinitesimal satellite revolving just outside a uniform sphere is equal to the period of a simple pendulum, of length equal to the radius of the sphere, making small vibrations under the attraction of the sphere with its bob close to the surface. Find the period of such a satellite for the earth, taking the radius as  $21 \times 10^6$  feet.

7. A particle is acted on by two central forces (equal at the same distance) one repulsive, the other attractive and varying inversely as the squares of the distances of the particle from the centres. Find the equation (1) of an equipotential surface, (2) of a line of force of this system and verify that they intersect at right angles.

What does the equation of the line of force become when the centres are very close together?

8. Define Stress and Strain and a Modulus of Elasticity. Show how Young's modulus, the rigidity modulus, and the bulk modulus are related in the case of an isotropic body. Find the modulus of simple longitudinal strain.

9. Define homogeneous strain, and state its principal properties.

Find the equation of the strain ellipsoid, and deduce the conditions that the strain may be pure.

10. Criticise the Poisson-Navier view of the relation between the bulk and the rigidity moduli.

Find in terms of the moduli the ratio of lateral contraction to longitudinal extension of a rod or wire acted on by simple longitudinal pull, and give examples of its numerical value in different cases.

11. What is meant by the torsional rigidity of a rod or wire? Show that if  $n$  be the rigidity modulus of the material, the modulus of torsional rigidity of a right cylindrical tube is  $n(r'^4 - r^4)\pi/2$  where  $r'$ ,  $r$  are the external and internal radii. Hence find the torsional resilience per unit volume of a right cylindrical rod.

Show that if a solid elliptic cylinder is twisted round its axis, the cross-sections will be warped in opposite directions in adjoining quadrants marked out by the principal axes of the section.

12. Prove the theorem of Gauss that the potential at the centre of a spherical surface drawn in an electric field and not containing in it any electricity is equal to the average potential over the surface.

Hence show that if the potential is constant over any portion of space in an electric field it is constant through every part of the field that can be reached from that portion without passing through electricity.

13. State the laws of the induction of currents by the motion of conductors in a magnetic field. A coil consisting of 100 turns of wire each 30 inches in diameter is whirled round an east and west horizontal axis in the earth's field and is provided with a commutator to send the current always in the same direction through a galvanometer in the circuit. Taking the earth's total magnetic force as .43 c.g.s. find the maximum e.m.f. in the circuit in any one revolution and the average e.m.f., if the number of revolutions per second is 50.

14. Explain fully one of the following: (1) a method of determining a resistance in absolute units, (2) the comparison of two coefficients of self-induction, (3) a method of comparing the electro-magnetic unit of quantity of electricity with the electrostatic unit. Sketch either of the two others.

### III.—FOR DEGREE OF B.Sc.

#### A.—IN NATURAL SCIENCE.

#### FIRST EXAMINATION.

1. Mathematics—See pp. 381—383.
2. Natural Philosophy—See pp. 383—385.
3. Chemistry—See p. 421.
4. Botany—See p. 422.
5. Zoology—See p. 422.

## SECOND EXAMINATION.

## GROUP III.—ASTRONOMY.

1. Define the seasons.
  2. Give the reasons why, in the northern hemisphere, winter is colder than summer, although the sun is nearer, and compute for noon in latitude  $55^\circ$  the ratio of the areas heated by the sun in winter and summer.
  3. State to what changes the obliquity of the ecliptic, the eccentricity and longitude of the perihelion of the earth's orbit, are subject.
  - 4-13. See pp. 402, 403.
- 

## GROUP V.—PHYSIOLOGY—See p. 425.

## B.—IN ENGINEERING SCIENCE.

## a.—MATHEMATICS.

## FIRST PAPER.—THREE HOURS.

1. Show that the area of the surface of a sphere is equal to the area of the curved surface of the circumscribing cylinder. Hence prove that the volume of a sphere is  $\frac{4}{3}\pi r^3$ , where  $r$  is the radius.
2. Show that the normal to a central conic bisects the angle between the focal distances of the point to which it is drawn. Draw diagrams illustrating the cases of the ellipse and hyperbola.  
What is the corresponding proposition for the parabola?
3. Trace the curve the equation of which referred to rectangular coordinates is  $xy = c$ .  
Find the area included between ordinates at distances  $a, b$  from the origin.
4. Find the equation of the normal to the parabola  $y^2 = 4ax$ . Hence show that the length of the subnormal is constant for all points.
5. Define a differential coefficient and calculate from first principles those of  $x^n$ ,  $\sin x$ ,  $\tan x$ , and of  $uv$ , where  $u, v$  are functions of  $x$ .

Differentiate  $e^{ax}\sin mx$ ,  $xe^{\cos x}$ ,  $\log \frac{b+a\cos x}{a+b\cos x}$ .

6. If  $\phi$  denote any function of  $x$ , prove that

$$\frac{d^n(x\phi)}{dx^n} = n \frac{d^{n-1}\phi}{dx^{n-1}} + x \frac{d^n\phi}{dx^n}.$$

By this theorem or otherwise find the value of

$$\frac{d^5}{dx^5}(x \sin mx).$$

7. State Maclaurin's theorem, and give the conditions under which it is applicable to the expansion of functions.

Expand  $\sin x$ ,  $\cos x$ ,  $\log(1+x)$ . For what range of values of  $x$  is the last series convergent?

8. If the equation of a plane curve be  $y = \phi(x)$ , find the equation of the tangent at any point and the lengths of the tangent, normal, sub-tangent, and sub-normal.

9. Investigate the criteria of maxima and minima of a function of a single variable.

Find the radius of the cylinder of greatest volume which can be inscribed in a given sphere.

10. Calculate the integrals

$$\int \frac{x dx}{x^2 - 1}, \quad \int e^{ax} \cos mx dx, \quad \int_a^b \sqrt{a^2 - x^2} dx.$$

## SECOND PAPER.—THREE HOURS.

1. Investigate the condition that a quadratic equation may have equal roots, and show that for the equation

$$(x+p)(x+aq) + (x+ap)(x+q) = 0,$$

the condition is  $(a+1)^2(p^2+q^2) + 2(a^2-6a+1)pq = 0$ .

2. Solve the equations:

$$(1) (x-1)(x-2) + (x-2)(x-3) + (x-3)(x-1) = 0.$$

$$(2) x^2 + 4ax = (b-c)^2 + 4(bc - a^2).$$

$$(3) \frac{x^2}{y} + \frac{y^2}{x} = 2, \quad x + y = 5.$$

$$(4) x^2 + y = 11x, \quad y^2 + x = 11y.$$

3. A man travels 105 miles at a certain rate. If he had travelled slower by 2 miles an hour, he would have taken 6 hours longer. How long did he take?

4. Give the meaning of  $\log_a x$ , and prove that

$$\log_a xy = \log_a x + \log_a y,$$

and that

$$\log_a b \times \log_b a = 1.$$

Given  $\text{Log } 2 = .3010300$ ,  $\text{Log } 3 = .4771213$ , find  $\text{Log } .036$ .

5. Explain exactly the method of proof known as "mathematical induction."

By this method or otherwise, prove that the sum of the series

$$1^2 + 2^2 + 3^2 + \dots + n^2 \text{ is } n(n+1)(2n+1)/6.$$

Infer the sum of the series

$$1^2 + 3^2 + 5^2 + \dots + (2n+1)^2.$$

6. Show how to find the numerically greatest term of  $(a+x)^n$ , where  $n$  is a positive integer. Find the greatest term of  $(3-4x)^{20}$  when  $x$  is  $\frac{2}{3}$ .

7. Define  $\sin A$ ,  $\cos A$ ,  $\tan A$ , and trace carefully the variations in sign and value of these quantities as  $A$  varies from 0 to  $2\pi$ .

Prove that as  $\theta$  is made smaller and smaller in numerical value the value of  $\sin \theta / \theta$  approximates to unity.

8. Two sides of a triangle are 900 and 650 yards, and the angle which the greater of these makes with the third side is  $36^\circ$ . Find the third side and the other two angles of the triangle.

9. Explain fully how it is possible to find the distance between two visible but inaccessible objects. State clearly what quantities are to be observed, and show how to solve the resulting triangles.

10. Assuming the ordinary formulas for  $\sin(A - B)$ ,  $\cos(A - B)$ , prove that

$$\tan(A - B) = \frac{\tan A - \tan B}{1 + \tan A \tan B}.$$

Hence show that  $\tan \frac{1}{2}A = -\frac{1}{\tan A} \pm \frac{1}{\sin A},$

and interpret the double value given on the right-hand side.

11. Prove that  $\frac{\cos a - \sin a}{\cos a + \sin a} = \sec 2a - \tan 2a,$

and that

$$\sin 4a = 4 \sin a \cos a - 8 \sin^3 a \cos a.$$

12. The sides of a triangle have lengths  $a, b, c$ . Prove that if  $p$  be the perpendicular on the side  $b$  from the opposite vertex

$$4b^2p^2 = 2b^2c^2 + 2c^2a^2 + 2a^2b^2 - a^4 - b^4 - c^4.$$

Hence or otherwise deduce the identity

$$2b^2c^2 + 2c^2a^2 + 2a^2b^2 - a^4 - b^4 - c^4 = (a + b + c)(b + c - a)(c + a - b)(a + b - c).$$

13. Express  $r_a, r_b, r_c$ , the radii of the three circles each touching the inscribed circle (radius  $r$ ) and two sides of a triangle, in terms of  $r$  and the segments of the sides made at the points of contact of the inscribed circle.

Prove that  $r^a = r \tan^2 \frac{B+C}{4}.$

## b.—NATURAL PHILOSOPHY.

### 1. DYNAMICS.—THREE HOURS.

1. Define *Simple Harmonic Motion*, and define also *amplitude*, *period*, *epoch*, of a simple harmonic motion.

Show that in a simple harmonic motion,

$$\frac{\text{acceleration}}{\text{displacement}} = \frac{4\pi^2}{T^2}$$

numerically.

2. State the so-called laws of friction making any remarks upon them you think relevant.

A body of mass 30 pounds rests on a plane inclined at  $30^\circ$  to the horizontal, the coefficient of friction between the body and the plane being  $\frac{1}{3}$ . Find the force in poundals required to move the body (1) up, (2) down the plane.

3. How is it that by taking two or three turns round a post a rope may be prevented from slipping though subjected to great tension?



Calculate the difference of tensions between the ends of the rope when it is on the point of slipping, taking the co-efficient of friction  $\cdot 5$  and the number of turns 3.

$$[e^{5\pi} = 4\cdot 81 \text{ nearly.}]$$

4. Work out by the principle of work or otherwise the condition of equilibrium of a nut on a screw.

In cranes sometimes a toothed wheel is driven by an endless screw or worm working on the edge of the wheel. What condition must be fulfilled in order that when the crank driving the worm is let go the load on the crane may not run down?

5. Define a couple and show how the moment of the couple can be represented by a straight line.

Show that two couples in the same plane acting on a rigid body are in equilibrium if their moments are equal and opposite.

6. Define Stress and Strain. Specify Shearing Strain and Shearing Stress and define the modulus of rigidity corresponding.

Explain how the modulus of rigidity can be determined by oscillation experiments on a wire or rod.

7. Find the relation between the Young's modulus, the rigidity modulus, and the bulk modulus in an isotropic body.

Define flexural rigidity of a beam or rod, and show how it depends on the Young's modulus and the form and dimensions of cross-section. Find the flexural rigidity of an ordinary joist of rectangular cross-section 9 inches by 3 inches, (1) when the greater, (2) when the smaller of these dimensions is in the plane of bending.

8. Prove that a uniform spherical shell exerts no force on an internal particle.

A particle is placed at a distance of 3 feet from the centre of a sphere of lead 1 foot in radius: find how far the particle will fall towards the centre of the sphere in 10 seconds.

[Density of lead  $11\cdot 5$ , Density of Earth  $5\cdot 6$ , Radius of Earth  $21 \times 10^6$  ft.]

9. State Kepler's laws and prove Newton's deductions from the first two.

10. State the first law of thermodynamics and give, with explanatory remarks, the axiom on which the second law is based.

Define efficiency of a thermodynamic engine and show that all reversible engines are equally efficient. Hence define temperature on the absolute thermodynamic scale.

11. Define an isothermal curve and an adiabatic curve. State the condition fulfilled by a perfect gas.

Taking the equation of an adiabatic for a perfect gas as  $p v^\gamma = \text{constant}$ , where  $\gamma = \text{specific heat pressure constant} \div \text{specific heat volume constant} = 1\cdot 41$ , find the work done by 2 cubic feet of air in expanding adiabatically from a pressure of 80 pounds per square inch to 60 pounds per square inch. Find also the work done if the expansion takes place isothermally.

12. Show how currents of electricity are compared quantitatively, and state how the different effects produced by a current vary in amount

with the strength of the current. Define unit current in the c. g. s. system of units.

Find the strength in c. g. s. units of a current, which, flowing in a tangent galvanometer coil of 10 turns, each 30 centimetres in radius, deflects a small magnetic needle at the centre through  $45^\circ$ , the horizontal intensity of the earth's magnetic field being  $\cdot 16$  c. g. s.

13. Give the laws of the production of currents in a circuit by displacement in a magnetic field, explaining how they can be verified experimentally.

A copper disk 15 centimetres in radius is spun round at a speed of 25 revolutions per second while its plane is kept in, and at right angles to a uniform magnetic field of 2000 c. g. s. units intensity. If the centre and edge of the disc be touched by a wire, find the electromotive force in c. g. s. units, and in volts. If the current produced is 1 milliampere find the resistance of the circuit in ohms.

2.—PHYSICS. See Second Paper, p. 386.

### c.—GEODESY.

1. Find the distance of the offing as seen from the top of a hill 1000 metres in height. What is the distance if the effect of refraction be taken into account ; the coefficient of refraction being  $0\cdot 13$ ?

Radius of the earth = 6383 kilometres.

2. Show by diagram how a triangulation of a vast district can be arranged and what quantities can be measured.

State how the computation of the spherical triangles can be simplified if the sides do not exceed 100 kilometres in length.

3. State the successive steps in levelling a theodolite, and explain why, in the case of imperfect adjustment, the inclination of the horizontal axis of the telescope, as given by a striding level, alters when the instrument is turned round its vertical axis.

4. Define by diagram azimuth, zenith distance, right ascension and declination of a star.

5. How is sidereal time determined?

6. Express a mean solar day in units of a sidereal day, and compute for 1 hour mean time, the equivalent in sidereal hours, minutes, and seconds.

The length of the tropical year is  $366\cdot 2422$  sidereal days.

7. Define the vernal equinox and show how it can be determined.

8. Prove that a single meridian zenith distance of a star, the declination of which is known, will determine the latitude.

9. State Kepler's laws and explain why the angular orbital motion of the earth during a day is greater in December than in July.

## VOLUNTARY QUESTIONS.

10. State how the relative height of two geodetic stations can be determined from observations made with the theodolite, and by what arrangement of the observations terrestrial refraction can be eliminated. The distance of the two stations is assumed to be known.

11. At Glasgow on the afternoon of 23rd July, 1890, the apparent zenith distance of the sun was measured =  $70^{\circ} 16'$ . Compute the Greenwich mean time for the moment of observation.

Constant of refraction,  $57''.5$ ; declination of the sun,  $20^{\circ} 0'$ ; latitude and longitude of Glasgow,  $55^{\circ} 53'$  and  $17^{\text{m}} 10^{\text{s}}$  west of Greenwich; equation of time =  $+ 6^{\text{m}} 14^{\text{s}}$ .

12. Why has Greenwich mean time, as given by the public clocks at Glasgow in February, its maximum difference from local apparent solar time?

13. Explain the quantities in Clairaut's theorem, and show that the flattening of the earth can be determined if the time of oscillation of the same pendulum has been observed at different latitudes.

---

## d.—ENGINEERING.

### FIRST PAPER.—THREE HOURS.

1. Give a short account of the processes by which wrought iron is produced from clay band or black band ironstone.

2. Describe the process of manufacture of cementation steel, and state for what purposes such steel is used.

3. Give a short account of the Basic Bessemer process.

4. Sketch transverse, longitudinal, and circumferential sections of the trunk of an oak tree. Describe the structure of the timber, and in connection therewith explain the mode of shrinkage.

5. Give a brief account of the manufacture of Portland cement, and explain how the quality of a sample of cement is tested.

6. Describe how a plain flanged cylinder, say 4 feet in diameter, 5 feet long, and  $1\frac{1}{4}$  inch in thickness, would be moulded and cast.

7. Explain what precautions should be taken in the design of castings to avoid weakness due to crystallization and contraction in cooling. Illustrate your answer by reference to a flanged beam, a pulley or small fly wheel, and a cylinder for a hydraulic press.

8. Explain how a specimen of wrought iron may be tested for modulus of elasticity, limit of elasticity, and maximum load, describing briefly the appliances to which you refer. Why is the strength of a specimen of cast iron of rectangular section, tested as a beam, different from that calculated in the customary manner from the maximum stress for tension determined in a testing machine?

9. Investigate the distribution of shear stress across a section of a beam, and determine the maximum shear stress in the case of a rolled joist of I section, 10 feet long, 6 inches deep, 4 inches broad, metal  $\frac{1}{2}$  inch thick, supported at the ends, and loaded at the centre with a load of 2 tons.

## SECOND PAPER.—THREE HOURS.

(Each candidate may select either A or B.)

## A.

1. In regard to the theodolite, what is the line of collimation, what are the functions of the eye piece, what are the conditions of adjustment of the line of collimation with reference to the two axes?

Explain how and why these adjustments are made.

2. Show that in a Gravatt's level there is no particular position which the horizontal fibre must occupy with respect to the tube of the instrument.

3. Describe any method of telemetry suitable for civil engineering surveying.

Explain the nature and uses of Poro's arrangement of lenses in the tachimeter.

4. Describe the field operations in the making of a traverse survey.

5. Give an account of the process of setting out a circular curve meeting two straight lines tangentially in such a case as that represented in the accompanying diagram. Give the necessary formulas.

6. Complete and check the accompanying page of a levelling field book, and make a sketch illustrating the operations recorded.

7. Explain the reasons for easing off the transition between a straight line and a circular railway curve.

Describe Froude's curve of transition, and show by a diagram how the various portions of the line are located relatively to each other.

8. State and prove Simpson's ordinary rule, and find by its use the volume of a tapered rod 2 inches in diameter at one end, 1 inch at the other end, and 3 feet long.

Is the volume accurately determined by this method? Give reasons for your answer.

9. Find approximately, by each of the three methods taught, the volume of the block of earthwork having formation surface 24 feet wide, side slopes 2 to 1, end heights 12 feet and 22 feet respectively, length 1 chain, and no sidelong slope.

## B.

1. Treat of the sources from which the energy rendered available by various kinds of motors is derived.

2. Describe any good form of steam engine indicator. Explain how the indicator is connected to the engine. What are the chief sources of inaccuracy in the determination of horse-powers?

3. What is the brake horse-power of an engine? Describe a brake suitable for an engine of from 10 to 20 horse-power, and explain by reference to an example how the brake horse-power of an engine is determined.

4. Describe and illustrate the cycle of an ideal steam engine working with complete isothermal condensation on the return stroke. Why is

the efficiency of such a cycle less than that of Carnot's cycle for the same higher and lower temperatures?

5. Show that there is no loss of power due to the employment of crank and connecting rod mechanism other than that expended in friction.

6. Sketch and describe Meyer's Expansion Valve gear for steam engines. What are the advantages of variable expansion gear for steam engines, especially when worked automatically by the governor?

7. A shaft of 1" diam. can safely transmit a torque of 2000 in lbs. and inches. What diameter of shaft would be suitable for transmitting 12 horse-power at 220 revs. per min., assuming the torque to be constant?

8. Describe with sketches how a cylinder is steam-jacketed, and explain how a steam jacket may effect an economy in the total amount of steam used by an engine.

### THIRD PAPER.—THREE HOURS.

1. In respect to the bending of beams, prove a formula connecting the bending moment at any section with the dimensions of the section, the curvature, and the elastic properties of the material. Explain the meaning you attach to each of the symbols you use.

2. Investigate a formula for the torsional rigidity of cylindrical shafting.

3. For the shaft with overhung crank shown on the accompanying diagram find the greatest unital stress of push or pull in the material of the shaft and the simple torque which would stress the shaft with the same severity. Prove the formula you use, assuming any established formulas for simple torsion and simple bending.

4. Show by accurate diagrams or neat hand sketches how to determine the stresses in the loaded frame shown on the accompanying sheet, and explain how the stresses across the sections *xx* and *yy* may be determined in magnitude and kind.

5. Explain the principles taught with respect to similar structures, and show how they could be applied to the consideration of the relative strengths and stabilities of two similar chimneys.

6. Water issues from a circular orifice in a thin plate in the side of a vessel in which the statical water at the level of the orifice has a pressure of 25 lbs. per square inch. The orifice is 2 inches in diam. Find the quantity of water that will flow from such an orifice per minute, taking a usual value for the coefficient. Neglecting friction external to the orifice, find the power which would be developed by a wheel having flat blades which the water strikes normally.

7. Describe a modern form of turbine on the system of either Girard, Fourneyron, or Thomson, explaining the functions of the several parts.



8. Eitelwein's formula for the flow of water through pipes is sometimes given in the form

$$Q = 39.27 \sqrt{id^5}.$$

$Q$  is the quantity flowing in cubic feet per second,  $d$  is the diam. of the pipe in ft.

Explain the formula, and deduce from it one for the average velocity of water in a channel of any given section.

### e.—DRAWING, ETC.—THREE HOURS.

1. Find the form in plan and elevation of the intersection of the right circular cone and cylinder of which the data are given in the accompanying sheet.

2. Draw the development of the cylinder referred to in the preceding question, showing the true form of the curve of intersection on the developed surface.

3. Explain in a few words what method or methods you would adopt in solving the following problems:—

- (a) Given the projections of two intersecting straight lines, to find the angle contained by them.
- (b) To determine a plane which shall contain a given point and be parallel to a given plane.
- (c) To find the point of intersection of a line and a plane.
- (d) To determine the inclination of a straight line to a plane.
- (e) To determine the common perpendicular to two straight lines which are not in the same plane.
- (f) From a given point to draw a straight line to make a given angle with a given line.

4. To what class of surfaces does the hyperboloid of revolution belong? Explain in words how the hyperboloid of revolution is generated, and assuming data work out an example.

5.  $p'$  is the vertical projection of a point on the given cone, find the two corresponding horizontal projections. For the two positions of  $P$  find the tangent planes to the cone.

6. The given cone is sectioned by a plane perpendicular to the vertical plane of projection, and whose vertical trace is  $aa'$ . Show the form of the intersection on the horizontal plane, also the true form of the intersection, and name it.

In general explain how the tangent to the plane section of a curved surface at any point is found. For the curve found from the given data draw the asymptotes.

7. Find the resultant of the set of forces in the accompanying diagram.

8. Draw in isometric projection the bracket given in the accompanying sheet by two elevations and a plan.

## f.—NAVAL ARCHITECTURE.

## STRENGTH.

1. A beam is loaded with a weight near its middle, and is supported at its ends. Show that the forces acting on the beam may be resolved into a force and a couple.

What name is usually given to the force and to the couple?

2. State the relation that exists between the curve of loads, shearing forces, bending moments, slope and deflection of a beam.

Show that the area of the curve of shearing forces between two points in the length of a beam represents the difference in the bending moments at the two points.

3. What are the assumptions upon which the formulæ

$$\frac{\rho}{y} = \frac{M}{I} = \frac{E}{R}$$

are based?

In what respects do or do not these assumptions apply to ships?

4. Describe a graphic method of representing weights, supporting forces, shearing forces, and bending moments, so that the results for ships of different absolute dimensions may be readily comparable.

Apply the method to the following example:—A vessel 300 feet long has a curve of weight represented by the curve. (Curve shown.) The curve of buoyancy is thus:—(Curve shown).

5. Suppose the vessel in previous example to have a rectangular section 35 feet beam, 24 feet deep, with a steel deck  $\frac{3}{8}$  in. thick, covered with 3 in. pine; sides  $\frac{1}{2}$  in. and bottom  $\frac{5}{8}$  in. Find the stress on the deck. The laps of plating and the keelsons may be neglected.

6. What are the assumptions upon which the trochoidal wave theory is based?

State the law of variation of radii of orbits of particles in terms of the depth of the particles in still water and of the length of the wave.

7. Show how to apply the law referred to in the last question to the case of finding the actual supporting forces of a ship in a wave.

8. Prove that when a ship is head to sea in a regular series of waves, that if the moments of inertia of the two ends of the ship about the centre of gravity are equal, there will be no stress at the midship section due to pitching.

State what the effect on the stress in pitching would be with unequal moments of inertia.

9. State the reason that in a ship-shape form the passage of a regular series of waves causes a vertical oscillatory motion of the centre of gravity of the ship.

What is the effect of this heaving motion upon the bending moments when the ship is (a) on the crest, (b) in the hollow of a wave?

10. What do you understand the elastic limit of a material to be? Give the numerical value for ship steel.

11. What do you consider a safe stress to adopt in a vessel 500 feet long, which has to cross the Atlantic all the year round?

What value of the factor  $\frac{\text{bending moment}}{\text{displacement} \times \text{length}}$  would you expect in such a vessel on the crest of a wave?

12. Find the torsional stress on a rudder head 11 in. in diameter, the rudder area being 150 square feet, speed 15 knots per hour, centre of pressure of rudder 3 feet from axis.

The pressure on a plane surface moving square on through the water at 10 feet per second may be taken at 112 pounds per square foot.

### STABILITY.

1. Prove the formulâ  $BM = \frac{1}{\Delta} \int_0^L \frac{2}{3} y^3 dx$ .

What is the value of  $BM$  for a sphere floating with its centre in the plane of the water surface?

2. State and prove Atwood's formula.

3. Show how the uncorrected volumes and moments of the wedges can be obtained:—

(a) By graphic construction.

(b) By polar integration.

4. Define a cross curve of stability, and

Describe any method for obtaining the cross curves without the assistance of the moment integrator.

5. Show that the curve of  $ZM$ 's has the same relation to the curve of  $GZ$ 's that the statical stability has to the dynamical.

6. Define a surface of buoyancy for a given displacement of a finite body.

Show that this surface is closed and has no re-entering parts.

7. Show that for every surface of buoyancy there is an exactly similar surface of buoyancy for another displacement of the same solid. What is the relation between the displacements corresponding to these similar surfaces?

8. Discuss the relation between the length of normals which can be drawn from the centre of gravity of a solid to the surface of buoyancy at a given displacement and the stability or instability of the body.

9. If  $\rho$  be the radius of curvature of the surface of flotation and  $R$  that of the surface of buoyancy for a displacement  $V$ , prove that

$$\rho = R + V \frac{dR}{dV}.$$

10. At what point should a weight be put on board of a ship in order that its initial stability shall not be altered?

11. Show that when the tangent to the locus of metacentres on the

metacentric diagram is horizontal, the centre of curvature of the surface of flotation and the metacentre coincide.

12. Suppose a body, whose mass may be neglected, to be floating on the surface of water in a well bucket. Suppose the bucket to be lifted by means of a falling weight, acting through pulley blocks of uniform diameter, so that the speed of the bucket is greater than the speed of the weight. What is the relation between the stability of the floating body and the number of sheaves in the blocks?

### SHIP CALCULATIONS.

1. Give the volume and position of centre of gravity of the following:—

(a) A cone 1 foot high on a circular base 6 inches in diameter.

(b) A solid formed by the revolution of an ellipse (whose major and minor axes are two feet and 1 foot respectively) about the tangent at extremity of minor axis as axis of revolution.

2. Give Simpson's first and second rules, and state and prove the five-eighth rule.

3. Describe briefly the operation of calculating the displacement and position of  $C$ ,  $B$  from a set of lines of an ordinary merchant ship.

4. Give the formula upon which the calculation of the height of the transverse metacentre is based, and show how this formula is applied to the calculation of the height of metacentre.

5. Show how to determine the change of draught at both ends of a ship due to putting weights on board in some known position.

6. Describe the metacentric diagram and explain how it is made.

7. Describe the operation of inclining a ship in order to find the position of its centre of gravity.

A vessel has heights of metacentre above keel at 14, 18, 22, 26 feet, moulded draught of 22·4, 21·6, 21·8, 22·8 feet respectively, and displacements of 4450, 6000, 7700, 9500 tons respectively. She is inclined at a draught of 19 feet. The movement of 5 tons through 40 feet gives an inclination of 6 inches in 30 feet.

Construct a metacentric diagram and find the height of the centre of gravity in the experimental condition.

8. Explain how you would proceed to construct a diagram giving metacentric height in terms of density of cargo.

9. How would you obtain the change of draughts due to flooding one compartment of a ship?

A rectangular vessel 100 feet long  $\times$  20 feet wide  $\times$  10 feet deep is floating at a draught of 5 feet. She is divided into 10 equal watertight compartments. If the compartment third from one end is bilged, find the change of draught at each end.

10. Suppose a vessel of form and dimensions as in question 9 is to be launched down straight ways having an inclination of 1 in 10, and the water on the end of the ways is 2 feet. Draw a curve of tipping moment about after end and lifting moment about fore end of ways.

11. Define gross, under deck, and net register tonnage, and explain how deductions are made for propelling space in all classes of steamers.

12. State and prove a rule for finding the height of the centre of buoyancy from the displacement curve.

### RESISTANCE.

1. What length of fore body is necessary by Scott Russell's wave-line theory for a vessel which is to have a speed of 20 knots per hour?

How is the total resistance estimated by this theory?

2. What modification did Rankine make in the estimate of resistance due to surface friction? Give the formula by which you can evaluate this modification in the case of a trochoidal set of water lines.

3. State in general terms the theory of resistance which Froude adopted.

4. A plane of considerable breadth moving edgewise through the water at a speed  $V$  sets in motion a body of water. Assume that the total momentum of this body of water is equal to the resistance due to surface friction; that the velocity of the water at the surface of the plane is one-half that of the plane; that at some point distant  $h$  from the plane the velocity of the water is nothing, and varies as the square of the distance from this point of zero of velocity; find the value of  $h$  at the end of a plane 50 feet long, moving at a speed of 10 feet per second. The resistance per square foot at this speed may be assumed to be  $\frac{1}{4}$  lb.

5. State and prove Froude's law of comparison.

6. A model 16 feet long has a resistance of 20 pounds at a speed of  $506\frac{2}{3}$  feet per minute. Its surface is 60 square feet. The resistance per square foot of a surface 16 feet long may be taken at  $\frac{1}{16}$  of a pound at 600 feet per minute, and may be assumed to vary as the square of the speed.

Find the net resistance of a vessel of same form 256 feet long, moving at 20 knots per hour. The frictional resistance per square foot on a plane 256 feet long may be taken to be  $2\frac{1}{2}$  pounds at 20 knots per hour.

7. Assuming that  $R = aV^n$  is the law of wave-making resistance in terms of speed for a given form, deduce the law of resistance in terms of displacement for a given speed.

8. Describe the operation of making a progressive speed trial on the measured mile, and show how the results are recorded and how a speed curve is obtained from these results.

9. State the causes of the difference between the effective and indicated horse power in a steamer.

Give relative values to these differences and from them deduce the propulsive co-efficient.

10. Where is the most favourable position for a wave crest to occur in a series of transverse waves which accompany a ship?

Describe the experiments by which this fact was determined.

11. Explain why it is that in the case of a series of transverse waves



which accompany a ship, energy has to be expended in the ship to cause these waves to keep pace with her.

12. Determine the efficiency in a paddle wheel, and show what are the causes of loss.

### MARINE ENGINEERING.

1. What is the I.H.P. developed by the cylinder from which the cards on the accompanying sheet were taken? Cylinder diameter = 30 inches; stroke = 40 inches; revolutions, 100 per minute; piston rod 5 inches in diameter; no tail rod.

What faults have you to find with the right hand card?

If the valve motion is obtained from a common eccentric, how would you remedy these defects (neglecting the effect which would be produced on the other card)?

2. Define "lap," "inside lap," "lead," of a slide valve.

With a connecting rod equal to 3 cranks, and a slide valve worked by an eccentric, if the lead is the same at both ends of the stroke, and on the *out* stroke steam is cut off at  $\frac{1}{6}$  of the stroke, at what point will the steam be cut off on the *in* stroke?

3. In a triple expansion engine, how will cutting off steam earlier in the M.P. cylinder affect the power developed in the H.P. and M.P. cylinders?

Explain how the extent of this effect can be anticipated by a combined diagram of the indicator cards.

4. When sets of indicator cards from two different engines are combined to the same scale of pressures, and so that the volume of the H.P. cylinder up to cut-off is represented by a fixed amount, show that when the boiler pressures are the same, the total area of the combined cards may be looked on as a direct comparison of the efficiency of the engines.

Show how to compare the efficiencies when the boiler pressures are not the same.

5. State the different steps to be taken in obtaining a true piston effort diagram.

What is the difference of the application of the inertia correction to the cards taken from different ends of the cylinder?

6. Construct a diagram of combined crank pin effort to a scale  $1'' = 10$  lb. per  $\square$  on L.P. piston for a 2-cylinder compound engine, cranks at right angles; when the piston effort diagrams are those given on the accompanying sheets. H.P. cylinder diameter = 20": L.P. cylinder diameter = 40": stroke, both pistons = 24": connecting rod = 4 feet. What is the maximum twisting moment?

7. Show how you would settle the size of a single-ended marine boiler necessary for a cargo steamer with economical triple expansion engines which are required to develop 700 I.H.P. in ordinary working. The boiler to work with natural draught, which may be expected to be fairly good.

8. Make a sketch showing any good method of securing the furnace to the combustion chamber in a marine boiler. The method must be such

that the furnace can be removed without moving any plate in the boiler.

9. What are the principal causes of leaky boiler tubes?

10. Explain two different methods by which the pitch of a screw propeller can be made greater at the tips of the blades than near the boss. Illustrate your answer by sketches.

11. Investigate a formula for the strength of a conical piston.

12. Suppose you have to design an H.P. cylinder, 10" diameter and 18" stroke, to make 200 revolutions per minute, which is to be worked by a common slide valve and eccentric. It is desired to cut off steam at  $\cdot 7$  of the stroke from both ends, and to cut off the exhaust at  $\cdot 85$  of the stroke.

Show clearly how you would determine the amount of port opening and size of ports.

Draw the Zeuner diagrams for both strokes.

Make a section of the valve and valve face.

13. Make outline diagrams of Hackworth's, Joy's, and any one other radial valve gear.

14. Show how to determine the size of feed pump for a marine engine.

## IV.—FOR DEGREES IN MEDICINE AND SURGERY.

### I.—PRELIMINARY EXAMINATION.

#### ENGLISH.—Two HOURS.

*April, 1893.*

(Not more than SIX questions must be attempted. One of these must be question 1.)

1. Write a short essay on Tennyson, or on a celebrated historical event.

2. Analyse the following passage, and parse fully the words in italics :—

A substitute *shines* brightly as a *king*  
Until a king *be* by, and then *his* state  
Empties *itself*, as *doth* an inland brook  
Into the *main* of waters.

3. Give the derivation and meaning of the following words :—humane,

patient, surgeon, medicine, preliminary, language, judgment, enemy, obedience, envy.

4. What is meant by Inflexion? Illustrate your answer by comparing an English sentence with a Latin or a German sentence.

5. What is meant by a Figure of Speech? Define and give examples of Metaphor, Antithesis, Epigram, and Irony. What is meant by a Mixed Metaphor?

6. Correct the errors and ambiguities in the following sentences, and give reasons for your corrections:—

(a) Neither William nor James were at school to-day.

(b) More than one trooper prided himself upon his skill as a swordsmen.

(c) There were very few passengers who escaped without injury.

(d) I meant, when I first came to the University, to have studied hard.

(e) We will likely get wet if we go out to-day, but nothing will keep us at home.

7. Give (a) a sketch of one of the leading characters in *Old Mortality*, or the *Antiquary*, or the *Newcomes*, or *Romola*; and (b) a brief analysis of the plot of one of Shakespeare's plays, or an account of one of the leading Shakespearian characters.

8. Give an account of Chaucer's *Prologue*, or of the *Knight's Tale*, or of *Comus*, or of the *Hind and the Panther*, or of the *Rape of the Lock*, or of *Robinson Crusoe*, or of the *Vicar of Wakefield*. Give also a brief sketch of the life of the author of the work you may select.

9. State briefly what you know about any two of the following:—Alfred the Great, Thomas à Becket, James I. of Scotland, Sir Thomas More, Hampden, Laud, Marlborough, Wilkes, Clive, Burke.

10. Give a brief description of the Battle of Flodden, or the Armada, or the Second Jacobite Rebellion, or the American War of Independence, or the Indian Mutiny.

11. Locate, and state what you know about, twelve of the following towns:—Leeds, Cardiff, Peterhead, Dunfermline, Cork, Belfast, Breslau, Hamburg, Boulogne, Rouen, Berne, Ottawa, Brisbane, Sydney, Wellington, Bombay, Allahabad, Upsala, Christiania, Odessa.

---

## LATIN.

April, 1893.

### I. TRANSLATION.

1. Translate:—

(a) Non tibi Tyndaridis facies invisâ Lacænae  
Culpatusve Paris, divom inclementia, divom,  
Has evertit opes sternitque a culmine Troiam.  
Aspice—namque omnem, quæ nunc obducta tuenti  
Mortalis hebetat visus tibi et humida circum  
Caligat, nubem eripiam; tu ne qua parentis  
Iussa time, neu praeceptis parere recusa—

Hic, ubi disiectas moles avolsaque saxis  
 Saxa vides mixtoque undantem pulvere fumum,  
 Neptunus muros magnoque emota tridenti  
 Fundamenta quatit totamque a sedibus urbem  
 Eruit. Hic Iuno Scaëas saevissima portas  
 Prima tenet, sociumque furens a navibus agmen  
 Ferro accincta vocat.  
 Iam summas arces Tritonia, respice, Pallas  
 Insedit, nimbo effulgens et Gorgone saeva.

Parse—*tenti, pulvere, visus, arces, praeceptis, tridenti.*

(b) Septimo oppugnationis die, maximo coorto vento, ferventes fusili ex argilla glandes fundis et fervefacta iacula in casas, quae more Gallico stramentis erant tectae, iacere coeperunt. Hae celeriter ignem comprehenderunt et venti magnitudine in omnem castrorum locum distulerunt. Hostes, maximo clamore insecuti, quasi parata iam atque explorata victoria, turres testudinesque agere et scalis vallum adscendere coeperunt. At tanta militum virtus atque ea praesentia animi fuit, ut, quum undique flamma torrerentur maximaque telorum multitudine premerentur suae omnia impedimenta atque omnes fortunas conflagrare intellexerent, non modo demigrandi causa de vallo decederet nemo, sed paene ne respiceret quidem quisquam; ac tum omnes acerrime fortissimeque pugnarent. Hic dies nostris longe gravissimus fuit; sed tamen hunc habuit eventum, ut eo die maximus hostium numerus vulneraretur atque interficeretur, ut se sub ipso vallo constipaverant recessumque primis ultimi non dabant.

Parse—*coorto, parata, adacta, contingente, torrerentur, respiceret*; explain why *clamore, die, scalis* are in the ablative case, and why *respiceret* is in the subjunctive mood.

## 2. Unseen translation :—

Erat Crastinus in exercitu Caesaris, qui superiore anno apud eum primum pilum in legione decima duxerat, vir singulari virtute. Hic, signo dato, Sequimini me, inquit, manipulares mei qui fuistis, et vestro imperatori, quam constituistis, operam date: unum hoc proelium superest, quo confecto, et ille suam dignitatem, et nos nostram libertatem recuperabimus. Simul respiciens Caesarem, Faciam, inquit, hodie, imperator, ut aut vivo mihi, aut mortuo gratias agas.

## II. COMPOSITION.

### 3. Translate into Latin :—

The officers present at the council then rose; they seized each of their generals and besought them not to bring them all to the utmost danger by their disagreement and obstinacy. Our position, they said, is easy, whether we stay or depart, provided only that all of us are of one mind and one purpose; on the other hand, we see no hope of safety in disagreement. The question was debated until midnight, when it was decided to start with dawn. The remaining hours of the night were spent without sleep, as every soldier was looking over his possessions, to see what he could carry away with him and what he was compelled to leave behind.

Disagreement, *dissensio*; obstinacy, *pertinacia*; position, *res*; want of sleep, *vigiliae*; possessions, *use n. pl. of possessive adjective.*

## III. GRAMMAR AND SENTENCES.

4. Give the gender, accus. sing., and gen. pl. of *incola*, *modius*, *principes*, *vestis*, *manus*, *crus*, *ars*, *comes*. Compare *pulcher*, *fortis*, *dubius*, *multum*, *pie*, *diu*.

5. Give the chief parts of the following verbs, and the constructions in which they are used in Caesar or Virgil, quoting, if possible, passages or phrases in which they are used—*consulere*, *interponere*, *confidere*, *anteferre*, *praestare*, *eripere*, *misereri*, *avellere*, *explere*, *servire*.

6. Translate into Latin :—

(a) The soldiers lighted fires in the camp, by which to deceive the enemy.

(b) Tell me why you believe that I am mistaken.

(c) If you return safe with your companions, we shall be delighted.

(d) If I had not taken up arms, I should have been condemned by my enemies.

## ARITHMETIC.—ONE HOUR AND A HALF.

April, 1893.

1. Divide thirty-four million nine hundred and fifty-five thousand eight hundred and eighteen by seven thousand six hundred and fifty-four.

2. Find the least common multiple of 44044 and 27885.

3. Find the difference between

$$\frac{4}{15} \text{ of } 1\frac{2}{3} \text{ of } 1\frac{2}{7} + 1\frac{1}{10} \text{ of } \frac{1}{80} \text{ of } 1\frac{5}{11} - 2\frac{1}{3} \div 10\frac{1}{2},$$

and

$$1 + \frac{2}{3 + 4\frac{1}{5}}.$$

4. Divide 1·0001 by 13700 and ·0010001 by ·137.

5. Find the value of

$$·0625 \text{ of } £6. 11s. 0d. - \frac{·05}{8} \text{ of } £4. 5s. 6d. + \frac{·3}{16} \text{ of } £53. 3s. 6d.$$

and reduce your answer to the decimal of £25.

6. Find the value of 15 cwt. 2 qrs. 7 lbs. at 18s. 8d. per cwt.

7. If 3 men can do as much work in the same time as 5 boys, how long will it take 6 men and 15 boys to do as much work as 6 men and 10 boys can do in 60 days?

## ELEMENTARY MATHEMATICS.—ONE HOUR AND A HALF.

April, 1893.

1. Prove that if one angle of a triangle be greater than another angle, the side which is opposite to the greater angle shall be greater than the side which is opposite to the less.

*ABC* is a triangle, and *D* is a point on *AC* such that *BD* bisects the angle *ABC*. Show that *AB* is greater than *AD*.



2. Define a parallelogram, and prove that the opposite sides and the opposite angles of a parallelogram are equal.

Prove that the lines bisecting the opposite angles of a parallelogram are parallel.

3. If a straight line be divided into any two parts, prove that the square on the whole line and on one of its parts are together equal to twice the rectangle contained by the whole line and that part, together with the square on the other part.

4. On a given straight line to describe a segment of a circle containing an angle equal to a given rectilineal angle.

5. Two circles intersect in two points  $A$  and  $B$ , and from  $P$ , any point in  $AB$  produced, tangents are drawn to the two circles. Show that the points of contact lie upon a circle whose centre is  $P$ .

6. If  $a = -5$ ,  $b = 4$ ,  $c = -3$ ,  $d = 0$ , find the value of

$$\frac{1}{2}a^3c \sqrt[2]{b} + 5 \sqrt[3]{a^5b^4c^3d^2} - 5 \sqrt[4]{225a^2c^2}.$$

7. Multiply  $3a(a+b) - 2b(a-b)$  by  $3a(a-b) - 2b(a+b)$ , and divide  $x^3 + a^4x^4 + a^8$  by  $x^2 + ax + a^2$ .

8. Solve the equation :

$$\frac{1}{x}(x-5) - \frac{1}{x}(x-18) = 6 - \frac{1}{x}(x-45).$$

## GREEK.

April, 1893.

### I. TRANSLATION.

1. Translate :—

Ἐπειδὴ δὲ βοὴ πλείων τε ἐγίγνετο καὶ ἐγγύτερον καὶ οἱ ἀεὶ ἐπιόντες ἔθεον δρόμῳ ἐπὶ τοὺς ἀεὶ βοῶντας καὶ πολλῶ μείζων ἐγίγνετο ἡ βοὴ ὅσω δὴ πλείους ἐγίγνοντο, ἐδόκει δὴ μεῖζόν τι εἶναι τῷ Ξενοφῶντι, καὶ ἀναβάς ἐφ' ἵππον καὶ Λύκιον καὶ τοὺς ἱππέας ἀναλαβὼν παρεβοήθει· καὶ τάχα δὴ ἀκούουσι βοῶντων τῶν στρατιωτῶν Θάλαττα θάλαττα καὶ παρεγγυώντων. ἔνθα δὴ ἔθεον πάντες καὶ οἱ ὀπισθοφύλακες, καὶ τὰ ὑποζύγια ἡλαύνετο καὶ οἱ ἵπποι. ἐπεὶ δὲ ἀφίκοντο πάντες ἐπὶ τὸ ἄκρον, ἐνταῦθα δὴ περιέβαλλον ἀλλήλους καὶ στρατηγούς καὶ λοχαγούς δακρύοντες. καὶ ἐξαπίνης ὅτου δὴ παρεγγυήσαντος οἱ στρατιῶται φέρουσι λίθους καὶ ποιοῦσι κολωνὸν μέγαν.

Parse ἐπιόντες, ἡλαύνετο, ἀφίκοντο, ἐγγύτερον, ὅσω, ὅτου.

2. Translate :—

(1) Ἐλεγεν οὖν πρὸς αὐτοὺς, “Ὁ μὲν θερισμὸς πολὺς, οἱ δὲ ἐργάται ὀλίγοι· δεήθητε οὖν τοῦ κυρίου τοῦ θερισμοῦ ὅπως ἐκβάλλῃ ἐργάτας εἰς τὸν θερισμὸν αὐτοῦ. Ὑπάγετε· ἰδοὺ ἐγὼ ἀποστέλλω ὑμᾶς ὡς ἄρνας ἐν μέσῳ λύκων. μὴ βαστάζετε βαλάντιον, μὴ πήραν, μὴδὲ ὑποδήματα· καὶ μηδὲνα κατὰ τὴν ὁδὸν ἀσπάσσηθε. Εἰς ἣν δ' ἂν οἰκίαν εἰσέρχησθε, πρῶτον λέγετε, Εἰρήνην τῷ οἴκῳ τούτῳ· καὶ ἐὰν μὲν ᾗ ἐκεῖ ὁ υἱὸς εἰρήνης, ἐπαναπαύσεται ἐπ' αὐτὸν ἡ εἰρήνη ὑμῶν· εἰ δὲ μήγε, ἐφ' ὑμᾶς ἀνακάμψει.

(2) Ἐν τῇ ὑπομονῇ ὑμῶν κτήσασθε τὰς ψυχὰς ὑμῶν. “Ὅταν δὲ ἴδῃτε κυκλομένην ὑπὸ στρατοπέδῳ τὴν Ἱερουσαλήμ, τότε γινώτε ὅτι ἤγγικεν ἡ ἐρήμωσις αὐτῆς. τότε οἱ ἐν τῇ Ἰουδαίᾳ φευγέτωσαν εἰς τὰ ὄρη, καὶ οἱ ἐν μέσῳ

αὐτῆς ἐκχωρεῖτωσαν, καὶ οἱ ἐν ταῖς χώραις μὴ εἰσερχέσθωσαν εἰς αὐτήν· ὅτι ἡμέραι ἐκδικήσεως αὐταὶ εἰσι, τοῦ πληρωθῆναι πάντα τὰ γεγραμμένα.

Parse—ἐκβάλλη, ἀσπάσθησε, ἀνακάμψει, ἡγγικεν, φευγέτωσαν.

### 3. Unseen translation :—

Νῦν δὲ δὴ τί ἂν οἶδεσθα παθεῖν, Λακεδαιμονίοις μὲν καὶ τῶν ἀρχαίων συμμάχων ὑπαρχόντων, Ἀθηναίων δὲ καὶ οἱ ἐκείνοις τότε ἦσαν σύμμαχοι πάντων προσγεγεννημένων, Τισσαφέρους δὲ καὶ τῶν ἐπὶ θαλάττῃ ἄλλων βαρβάρων πάντων πολέμιων ἡμῖν ὄντων, πολεμιωτάτου δὲ αὐτοῦ τοῦ ἄνω βασιλέως, δν ἤλθομεν ἀφαιρησόμενοι τὴν ἀρχὴν καὶ ἀποκτενοῦντες, εἰ δυναίμεθα; τούτων δὲ πάντων ὁμοῦ ὄντων ἔστι τις οὕτως ἄφρων ὅστις οἶεται ἂν ἡμᾶς περιγενέσθαι; μὴ πρὸς θεῶν μαινώμεθα μὴδ' αἰσχροῦς ἀπολώμεθα πολέμιοι ὄντες καὶ ταῖς πατρίσι καὶ ἡμετέροις αὐτῶν φίλοις τε καὶ οἰκείοις.

## II. GRAMMAR.

1. Decline in full—ἀγαθὸς ἱππεύς, ὕδωρ πολύ. Compare—καλός, ἐπιτήδειος, πολέμιος, ῥάδιος.

2. Give the future, aorist, and perfect of the verbs—λείπω, λαμβάνω, καλέω, νέμω, δίδωμι, ὁράω.

### 3. Write in Greek :—

(a) 3 pl. 1 aor. ind. pass. of τάσσω.

(b) 1 pl. 2 aor. ind. mid. of αἰρέω.

(c) nom. sing. masc. 1 aor. part. act. of ἵστημι.

(d) 3 pl. imp. ind. of οἶομαι.

(e) 3 sing. fut. opt. mid. of στερέω.

(f) 3 pl. 2 aor. opt. act. of διαβαίνω.

(g) 3 sing. imperf. of ἔπομαι.

(h) nom. pl. masc. perf. part. act. of ἵστημι.

## III. SENTENCES.

(a) The guides (ἡγεμόν) whom we have say that there is no other road.

(b) Since the first (man) said nothing useful (ὠφέλιμος) he was killed (κατασφάττω) in sight of the other (lit. the other looking on).

(c) In the days of (ἐπὶ) our fathers, the enemy came against (ἐπὶ) the country (χώρα).

(d) On account of their haste (σπονδῇ) they went (εἶμι) through (διὰ) the wood (ὕλη) and not along (κατὰ) the road.

(e) All of us asked (ἐρωτάω) what the difficulty (πρῶγμα) was.

(f) He said that his father could not (δύναμαι), but he would himself guide (ἡγέομαι) us the quickest (ταχύς) way.

## FRENCH.

April, 1893.

### 1. Translate into French :—

We had hardly proceeded a quarter of mile before the fog began to close behind our track, so as to shut out the rock from our view. This we cared little about, as we not only saw the ship, but trusted, from

her movements, that she likewise saw the boats. Just at the moment, however, that we came to this conclusion, she tacked, thereby proving that she had seen neither boat nor rock, but was merely groping about in search of her lost sheep. Had she continued on the course she was steering when we first saw her, she might have picked us up long before the fog came on again; but when she went about, this hope was destroyed. In a few minutes more, we, of course, lost sight of the frigate in the fog; and there we were, in a pretty mess, with no ship to receive us, and no island to hang on by!

To tack = *virer*.

To steer = *se diriger*.

To go about = *louvoyer*.

Frigate = *frégate*.

2. Translate into French:—

- (a) What are you talking about?
- (b) The man with the green hat.
- (c) He can no longer do anything.
- (d) Love one another.
- (e) He comes every other day.

3. What is the rule for the formation of the plural of substantives in *ou, al, ail*? Give instances of each, and mention any exceptions that may occur to you.

4. Give the masculine of *malique, molle, fraîche, expresse*; and the feminine of—*ambigu, loup, dindon, compagnon*.

5. Write out in full the present indicative of *jeter*, and the future (interrogatively) of *s'asseoir*.

6. Give the first person singular of the present indicative of *bouillir, céder, valoir*; and the third person plural of the preterite of *naître, coudre, vivre*.

7. Translate into English:—

(a) *Athalie*. Dans ce désordre à mes yeux se présente

Un jeune enfant couvert d'une robe éclatante,

Tel qu'on voit des Hébreux les prêtres revêtus.

Sa vue a ranimé mes esprits abattus.

Mais, lorsque revenant de mon trouble funeste,

J'admirais sa douceur, son air noble et modeste,

J'ai senti tout-à-coup un homicide acier,

Que le traître en mon sein a plongé tout entier.

De tant d'objets divers le bizarre assemblage

Peut-être du hasard vous paraît un ouvrage;

Moi-même quelque temps honteuse de ma peur,

Je l'ai pris pour l'effet d'un sombre vapeur.

Mais de ce souvenir mon âme possédée,

A deux fois, en dormant, revu la même idée.

Deux fois mes tristes yeux se sont vu retracer

Ce même enfant toujours tout prêt à me percer.

Lasse enfin des horreurs dont j'étais poursuivie,

J'allais prier Baal de veiller sur ma vie,

Et chercher du repos aux pieds de ses autels.

- (b) *Joad*. O mon fils ! de ce nom j'ose encore vous nommer ;  
 Souffrez cette tendresse, et pardonnez aux larmes  
 Que m'arrachent pour vous de trop justes alarmes.  
 Loin du trône nourri, de ce fatal honneur  
 Hélas ! vous ignorez le charme empoisonneur ;  
 De l'absolu pouvoir vous ignorez l'ivresse,  
 Et des lâches flatteurs la voix enchanteresse.  
 Bientôt ils vous diront que les plus saintes lois,  
 Maitresses du vil peuple, obéissent aux rois ;  
 Qu'un roi n'a d'autre frein que sa volonté même ;  
 Qu'il doit immoler tout à sa grandeur suprême ;  
 Qu'aux larmes, au travail, le peuple est condamné,  
 Et d'un sceptre de fer veut être gouverné ;  
 Que, s'il n'est opprimé, tôt ou tard il opprime.

---

## GERMAN.

April, 1893.

[No paper will pass which does not satisfy the Examiners in translation from English into German, or which contains gross grammatical blunders.]

1. Give the English, gender, and nominative plural of—*Daumen*, *Vetter*, *Befehl*, *Hoffnung*, *Opfer*, *Kreuz*, *Narr*, *Luft*, *Mannschaft*.

2. Translate and decline in the singular :—

- (a) A faithful dog.
- (b) That new pen.
- (c) Sharp knives.
- (d) A poorer girl ;

and in the plural—

- (e) The strongest men.
- (f) Many English ships.

3. What class or classes of adjectives do not modify the root-vowel when compared ?

4. What case or cases are governed by the propositions—*an*, *bei*, *um*, *wegen*, *mit* ?

5. Give the 3rd singular present and imperfect indicative and the perfect participle of—*senden*, *bitten*, *liegen*, *raten*, *heben*, and *schleichen*.

6. Form from the following simple verbs, *i.e.* *machen*, *brechen*, *brauchen*, *lesen*, *binden*, *zwingen*, by means of a prefix, compounds denoting to imitate, to break to pieces, to use up, to read aloud, to untie, to obtain by force.

7. Give any instance or instances in which the use of the present tense in German differs from the English.

8. Translate into German :—

'On my arrival in Philadelphia,' relates Benjamin Franklin, 'I was dressed only in my working-clothes, as my better ones were to be sent after me by sea. I was covered with mud and my pockets were filled with shirts and stockings. Moreover, there was not a human being in

the city whom I knew, and I did not know where to turn for a night's lodging. I was also greatly exhausted from walking and rowing and from not having slept the whole night, and was terribly hungry. My purse contained nothing but a Dutch dollar and a few copper coins which I gave to the boatmen. As I had helped them to row they were not inclined to accept anything, but I insisted upon their taking the money. People are often more generous when they have little than when their pockets are well filled.

9. Translate into idiomatic German :—

(a) What do you want me to do?

(b) The gentleman told me to wait half an hour or else to come again.

(c) No sooner said than done.

(d) Do me the favour of taking these letters to the post.

(e) The battle of Marathon was fought in the year 490 B.C.

II. Translate into English :—

(a) Als ich Bahn mir mache durchs Gewühl,  
Da tritt ein braun Bohemerweib mich an  
Mit diesem Helm, fasst mich ins Auge scharf  
Und spricht : Gesell, ihr suchet einen Helm,  
Ich weiss, ihr suchet einen. Da ! Nehmt hin !  
Um ein Geringes steht er euch zu Kaufe.  
—Geht zu den Lanzenknechten, sagt' ich ihr,  
Ich bin ein Landmann, brauche nicht des Helmes.  
Sie aber liess nicht ab und sagte ferner :  
Kein Mensch vermag zu sagen, ob er nicht  
Des Helmes braucht. Ein stählern Dach fürs Haupt  
Ist jetzo mehr werth, als ein steinern Haus.  
So trieb sie mich durch alle Gassen, mir  
Den Helm aufnöthigend, den ich nicht wollte.  
Ich sah den Helm, dass er so blank und schön  
Und würdig eines ritterlichen Haupts,  
Und da ich zweifelnd in der Hand ihn wog,  
Des Abenteuers Seltsamkeit bedenkend,  
Da war das Weib mir aus den Augen, schnell  
Hinweggerissen hatte sie der Strom  
Des Volkes, und der Helm blieb mir in Händen.

(b) Ihr seid vereinigt, Fürsten ! Frankreich steigt,  
Ein neu verjüngter Phönix, aus der Asche,  
Uns lächelt eine schöne Zukunft an.  
Des Landes tiefe Wunden werden heilen,  
Die Dörfer, die verwüsteten, die Städte  
Aus ihrem Schutt sich prangender erheben,  
Die Felder decken sich mit neuem Grün—  
Doch, die das Opfer eures Zwists gefallen,  
Die Todten stehen nicht mehr auf ; die Thränen,  
Die eurem Streit geflossen, *sind und bleiben*  
Geweiht ! Das kommende Geschlecht wird blühen  
Doch das vergangne war des Elends Raub,  
Der Enkel Glück erweckt nicht mehr die Väter.



Das sind die Früchte eures Bruderzwists !  
 Lasst's euch zur Lehre dienen ! Fürchtet die Gottheit  
 Des Schwerts, eh' ihr's der Scheid' entreisst. Loslassen  
 Kann der Gewaltige den Krieg ; doch nicht  
 Gelehrig, wie der Falk sich aus den Lüften  
 Zurückschwingt auf des Jägers Hand, gehorcht  
 Der wilde Gott dem Ruf der Menschenstimme.

## II.—PROFESSIONAL EXAMINATIONS.

### I.—FIRST PROFESSIONAL EXAMINATION.

#### CHEMISTRY.—ONE HOUR AND A HALF.

30th March, 1892.

1. What are the formula and name of the salt having the following percentage composition?—

Ca,	-	-	-	-	-	38.72
P,	-	-	-	-	-	20.00
O,	-	-	-	-	-	41.28
						100.00

2. How is mercury got from its ores? By what tests can the different white precipitates of mercury be distinguished from one another?

3. A liquid containing 1 gram. of sodium chloride was added to another containing 2 grms. of silver nitrate. Whether did the filtered fluid contain sodium chloride or silver nitrate, and how much?

4. How would you detect sulphur in manganese sulphide, sulphate, and dithionate respectively?

5. What is meant by saying that ammonia is a two-volume gas?

3rd October, 1892.

1. Explain what is meant by the maximum density point of water. What volume of hydrogen and oxygen respectively could be got from a cubic centimetre of water at that point?

2. Describe the properties expressed by the terms *allotropy* and *dimorphism*. In what way, if at all, is chemical action influenced by these properties? Give examples.

3. Give illustrations of the effect of mass and of temperature in modifying or reversing chemical action.

4. How would you show that oxygen is present in silica, carbon dioxide, potash, oil of vitriol, red lead, sugar?

5. Describe the occurrence and mode of preparation of the substances given you for analysis.

## BOTANY.—ONE HOUR AND A HALF.

*March, 1892.*

1. State the conditions necessary for assimilation in plants. What are the main features of the process?
2. Give a brief description of the primary structure of the root of an Angiosperm, noting any special points of adaptation to the functions it has to perform.
3. Describe the structure of the ovule of *Pinus*, and the process of its fertilization. Compare the archegonium with that of a Moss.
4. Describe in detail the structure of a Pea (the seed): in what form are the nutritive materials stored up, and how may they be distinguished under the microscope?
5. Give an account of the mode of life of a common Mushroom, and of its structure when mature. Compare its physiological position with that of *Puccinia*.

*Only FOUR answers to be attempted.*

---

*3rd October, 1892.*

1. What is meant by Fertilization? Briefly describe different types of Fertilization in plants, as exemplified by a Phanerogam, a Fern, Polysiphonia, Fucus, and Spirogyra.
2. Give a clear explanation of what is meant by the "struggle for existence." Indicate how the existence of plants may be affected (1) by the influence of animals, (2) by the hand of man.
3. Describe, with drawings, the structure of a leaf of some Monocotyledon, with special reference to its mechanical and assimilative functions.
4. Give a short account of the Scrophularineæ, as regards:—
  - (1) Vegetative organs,
  - (2) Floral structure (with diagrams),
  - (3) Fruit,
  - (4) Economic products.
5. What is Respiration in plants? How would you prove that Respiration takes place?

*For First Professional Examination only FOUR questions are to be attempted.**Candidates for First B.Sc. Examinations must attempt to answer ALL the questions.*

---

## NATURAL HISTORY.

*March, 1892.*

1. Describe a Gregarina. Mention the varieties of form in the group. What facts in their structures are related to their parasitic mode of life?
2. Describe the growth and structure of a Foraminifer, say *Miliola* or *Nummulites*.

3. Sketch the life history of Comatula (Antedon). Give the characters of the group to which it belongs, and of the nearest allied groups of Echinoderms.

4. Describe briefly the development of the Tunicate Molgula. What are the points on which its vertebrate character is made to rest.

5. Compare the circulation fetal and adult of Frog, Lizard, and Mammal.

6. Contrast the form, arrangement, and structure of the Brachiopod shell with those of the Lamellibranch shell, especially as regards the arrangements for opening and shutting.

7. Give the characters of the groups whose parts are arranged in reference to the numbers, 5, 4, 6, and 8.

8. Sketch the history of Trichina.

9. Compare the nephridia or representative structures in Annelids, Trematodes, Brachiopods, and Lamellibranchs.

10. State the geographical distribution of Monotremata, Edentata, Anthropoid Apes, Crocodilia, Nautili.

*M.B. candidates are required to answer only FIVE of the foregoing.*

October, 1892.

1. Describe the structure and development of any Sponge.

2. Give an account of a few important *larval forms* among the Invertebrata, and discuss their importance in classification.

3. Describe the organ of Bojanus in a Mussel. What organs in other forms is it supposed to be homologous with?

4. Describe the Heart and Arteries of a Skate or Dogfish, and compare them with those of a Tadpole and a Frog.

5. What are the claims of Balanoglossus to be ranked with the Vertebrata?

6. What do you know of the following animals:—Nummulites, Nautilus, Appendicularia, Archaeopteryx, Echidna?

7. Describe the mouth parts of Snail, Slug, or Whelk.

8. What is a placenta? In what ways is it connected with the parent?

*M.B. candidates are expected to answer FOUR questions; Science candidates more than FOUR. Answers to be illustrated by diagrammatic figures.*

## PHYSICS.—ONE HOUR AND A HALF.

4th October, 1892.

[FOUR questions only to be answered.]

1. State Newton's Second Law of Motion and explain how it gives us a means of measuring force.

Find in absolute measure the force which would in 5 seconds generate in a mass of 1 stone a velocity of 20 yards per second.

2. Enumerate the various classes of levers. Give an example of each and point out which class does and which class does not possess mechanical advantage.

3. Define specific gravity, and explain how to find the specific gravity of a substance lighter than water, but insoluble in it, by means of Nicholson's hydrometer.

4. What is meant by 'latent heat of melting ice'?

Enumerate all the changes which take place in a mass of ice at  $-10^{\circ}\text{C}$ . in being converted into steam. How much water at  $60^{\circ}\text{C}$ . would be required to melt 10 lbs. of ice at  $0^{\circ}\text{C}$ . and raise its temperature to  $4^{\circ}\text{C}$ .?

5. Describe and explain the beats heard when two notes not quite in harmony are sounded together.

Two notes, each containing the fundamental and its first two harmonics, are sounded together. The vibration numbers of the fundamentals are respectively 172 and 256. Show that two of the harmonics will produce beats at the rate of 4 per second.

6. State Ohm's Law. Six Daniell cells are put in series. The electromotive force of each cell is 1.07 volts, and the internal resistance of each cell is 4 ohms. What current in milliamperes can be got by this arrangement, when the external resistance is 26 ohms?

## II.—SECOND PROFESSIONAL EXAMINATION.

### DESCRIPTIVE ANATOMY.

*30th March, 1892.*

1. Describe the adductor magnus and its relations to other muscles.
2. Describe the muscular coat of the stomach, and also the muscularis mucosæ.
3. Describe the microscopic structure of the epidermis.
4. Describe the different parts of the osseous and membranous labyrinth of the ear, mentioning their positions.

*4th October, 1892.*

1. Describe each of the muscles in immediate contact with the hip-joint.
2. Describe the structure of a lymphatic gland.
3. Describe the structure of the walls of the trachea.
4. Describe the roots of nerves as seen on the surface of the spinal cord and in sections of it, and trace them out to the trunks.

## PHYSIOLOGY.—Two HOURS.

30th March, 1892.

1. Give illustrations of (*a*) reflex and (*b*) automatic action of the spinal cord. Mention the factors concerned, and show how reflex activity of the spinal cord may be increased or diminished.

2. Cardiac activity and arterial tension are related to each other. Explain the relationship, and mention the paths by which arterial tension is (*a*) increased and (*b*) diminished.

3. Compare the processes and products of gastric and pancreatic digestion of proteid substances.

4. Give an account of the chemical properties, the physiological relations, and the destiny of (*a*) the bile pigments and (*b*) the bile salts.

5. What is the difference between a muscular twitch and a tetanic spasm? Draw the curve of each condition as obtained by a myograph; and point out all the physiological facts demonstrated by the curves.

*The questions are of the same value. Only FOUR to be attempted.*

---

4th October, 1892.

1. Describe, in their proper sequence, the phases of a complete cardiac cycle, and in the answer give special details regarding the mechanism of the valves, and the changes that occur in the shape of the heart.

2. (*a*) What is the evidence in favour of the existence of motor centres in the cortex of the brain? (*b*) Indicate the position of the chief motor centres; and (*c*) Trace the path of the physiological impulses from the leg centre on the right side to the leg.

3. Explain how the energy of the body is obtained from the food. How may the energy value of any food-stuff be estimated? Compare the energy value of Proteids, Carbohydrates, and Fats, and indicate the special value of each as a constituent of the diet.

4. Describe how the pigment of the blood gets oxygen from the outer air, as regards (*a*) passage of oxygen to the air vesicles of the lungs, (*b*) passage of oxygen to the blood.

5. Mention the inorganic acids and bases of the urine, and indicate their more important combinations. What are the sources of the various acids?

*Only FOUR questions to be attempted. All of the same value.*

---

### III.—THIRD PROFESSIONAL EXAMINATION.

---

#### REGIONAL ANATOMY.

31st March, 1892.

1. State the steps of a dissection to exhibit the internal maxillary artery as far as its entrance into the sphenomaxillary fossa, and describe the course and branches of the part laid bare.



2. Describe the arrangement of the veins by means of which the blood returns to the heart from the intercostal spaces.
3. Describe the gluteal and small sciatic nerves.

---

*5th October, 1892.*

1. Give the steps of a dissection of the lower two-thirds of the back of the arm, down as far as the head of the radius; and describe the courses of nerves and arteries met with.
2. Describe the branches and the relations of the aorta from its entrance into the abdomen to the upper border of the origin of the superior mesenteric artery.
3. Describe the relations of the velum interpositum, and state the origins and terminations of its blood vessels.

---

## MATERIA MEDICA AND THERAPEUTICS.—

ONE HOUR AND A HALF.

*31st March, 1862.*

1. What is Camphora? Mention its official preparations and their doses. What are its chief therapeutical uses?
2. Indicate what is meant by the term Hypnotic. Select two Hypnotics, and state the advantages and disadvantages following their administration.
3. Mention the official compounds of Bismuthum. What are their therapeutical applications and doses? Write a prescription for a mixture containing Bismuth.
4. Detail the treatment to be adopted in Epilepsy, during and after a seizure.

---

*October, 1892.*

1. What Salts and preparations of Morphine are official? State their doses, and give their therapeutical uses.
2. Enumerate the remedies classified as Anthelmintics, and state how and when they are to be administered in the treatment of Intestinal Parasites.  
*Prescriptions to be written in unabbreviated Latin. Directions in English.*
3. Mention the official Inorganic Salts which are used as Diuretics. What doses are they given in? Give an account of their modes of action as Purgatives and Diuretics respectively, and state briefly the kinds of cases in which they prove useful.
4. Indicate in detail what treatment you would adopt in a case of Cerebral Hæmorrhage; (a) at the outset, (b) during unconsciousness, (c) during convalescence.

THREE questions to be answered.

## IV.—FINAL PROFESSIONAL EXAMINATION.

## SURGERY.—TWO HOURS.

*July, 1892.*

1. To what growths is the Female Mamma subject, and how are they distinguished from one another?
2. What may cause a Hernia to become irreducible, and how is an irreducible Hernia treated?
3. What is the effect of dividing the musculo-spiral nerve about the middle of the upper arm? What treatment would you adopt, and what result would you expect?
4. What conditions may give rise to a discharging sinus at the upper part of the thigh, and how would you distinguish them?

*THREE questions at least to be answered.*

## PRACTICE OF MEDICINE.—TWO HOURS.

*12th July, 1892.*

1. Describe the various events in the course of a case of Whooping-Cough; mention any other diseases with which it is not infrequently associated; and state what complications are to be feared.
2. Give the general symptoms and physical signs of Acute Lobar Pneumonia, and discuss their relations to the underlying pathological conditions.
3. In what circumstances would you anticipate in disease a diminution or loss on the one hand, and on the other an increase, in the knee-jerk, and the presence of ankle-clonus?
4. A man, aged 46, complains of weakness of the limbs and dimness of vision, with breathlessness on exertion. He has until six months ago been in excellent health, with the exception of three attacks of malarious fever during a ten years' residence in Northern India.  
The patient has a pallid, but somewhat yellowish, tint of skin, with blanched mucous membranes, and there is some œdema of the lower limbs. On examining the circulatory system, the area of cardiac dulness is found to be increased, and there is a soft basic murmur, V.S. in rhythm. The blood is found to contain 850,000 red corpuscles per cubic mm. There is a trace of albumin in the urine.

Complete the case by pointing out its probable nature, and supplying the links necessary to form a complete diagnosis. Write a commentary on the case and describe fully how you would treat it.

*N.B.—In the last question the prescriptions are to be written out as if for the chemist, with directions to the patient in English.*

## MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.—ONE HOUR AND A HALF.

13th July, 1892.

1. Give the Anatomy of the Vulva and describe its Glands.
  2. Describe the alterations which the Pregnant Uterus undergoes from Conception to Term.
  3. Describe the Displacements of the Gravid Uterus and indicate the treatment applicable to each.
  4. How would you ascertain the Position in a Transverse Presentation; and how, having ascertained it, would this guide you as to the details of the operation required?
- 

## FORENSIC MEDICINE.—TWO HOURS.

11th July, 1892.

1. How, and to what extent, might the identity of an individual be ascertained from an examination of the skeleton?
2. In a case of death from hanging how might you diagnose between homicide and suicide?
3. Certain red stains being discovered upon white linen, how might you ascertain that they were due to—
  - (a) Blood,
  - (b) Iron-mould?
4. What circumstances might enable you to arrive at a diagnosis between suicide and homicide in cases of death from—
  - (a) Cut-throat,
  - (b) Gun-shot wounds?
5. What symptoms might be expected from a poisonous dose of Oxalic acid; and how might the presence of that poison be detected in the contents of the stomach?

NOTE.—Only FOUR of the above questions to be answered, of which the FIFTH must be one.

---

## PATHOLOGY.—ONE HOUR.

12th July, 1892.

1. State what is known regarding the morbid changes found in Leukæmia (1) in the blood, and (2) in the organs and tissues of the body.
2. In what ways may Pneumothorax be produced? Describe the primary changes which induce it, and the secondary changes which usually follow the passage of air into the pleural cavity.

3. How does Syphilis in the tertiary stage attack the brain, the blood-vessels, the fauces, and the tongue?

4. Describe the naked-eye and microscopic appearances in the contracted amyloid kidney. In what kinds of cases is it liable to occur?

5. What is meant by a pyogenic microbe? Mention the principal forms of these which have been distinguished, and describe the mode in which they bring about the morbid conditions with which they are connected.

*Only FOUR questions to be answered.*

## V.—DEGREES IN LAW.

### I.—PRELIMINARY EXAMINATION FOR B.L.

#### a.—ARTS SUBJECTS.

(Same as for Degree of M.A. See pp. 369—386.)

#### b.—FRENCH.

##### FIRST PAPER.

Translate :—

(a) Les politiques Grecs qui vivaient dans le gouvernement populaire, ne reconnaissaient d'autre force qui pût les soutenir que celle de la vertu. Ceux d'aujourd'hui ne nous parlent que de manufactures, de commerce, de finances, de richesses et de luxe même. Lorsque cette vertu cesse, l'ambition entre dans les cœurs qui peuvent la recevoir et l'avarice entre dans tous. Les désirs changent d'objets, ce qu'on aimait on ne l'aime plus ; on était libre avec les lois, on veut être libre contre elles ; chaque citoyen est comme un esclave échappé de la maison de son maître ; ce qui était maxime, on l'appelle rigueur ; ce qui était règle, on l'appelle gêne ; ce qui était attention, on l'appelle crainte. C'est la frugalité qui y est l'avarice, et non pas le désir d'avoir. Autrefois le bien des particuliers faisait le trésor public ; mais pour lors le trésor public devient le patrimoine des particuliers. La république est une dépouille ; et la force n'est plus que le pouvoir de quelques citoyens et la licence de tous.

(b) Enfin, après douze jours d'une marche si pénible, pendant laquelle les Suédois avaient consommé le peu de biscuit qui leur restait, cette armée, exténuée de lassitude et de faim, arrive sur les bords de la Desna, dans l'endroit où Mazeppa avait marqué le rendez-vous ; mais, au lieu d'y trouver ce prince, on trouva un corps de Moscovites qui avançait vers l'autre bord de la rivière. Le roi fut étonné ; mais il résolut sur-le-champ de passer la Desna, et d'attaquer les ennemis. Les bords de cette rivière étaient si escarpés qu'on fut obligé de descendre les soldats avec des cordes. Ils traversèrent la rivière selon leur manière accoutumée, les uns sur des radeaux faits à la hâte, les autres à la nage. Le corps de

Moscovites qui arrivait dans ce temps-là même, n'était que de huit mille hommes ; il ne résista pas longtemps, et cet obstacle fut encore surmonté.

(c) Si *Damis* s'en était mêlé, tout serait dans les règles ; il y aurait partout de l'élégance et de l'érudition, et il ne manquerait pas de vous exagérer lui-même toutes les pièces du repas qu'il vous donnerait, et de vous faire tomber d'accord de sa haute capacité dans la science des bons morceaux ; de vous parler d'un pain de rive à biseau doré, relevé de croûte partout, croquant tendrement sous la dent ; d'un vin à sève veloutée, armé d'un vert qui n'est point trop commandant ; d'un carré de mouton gourmandé de persil ; d'une longe de veau de rivière, longue comme cela, blanche, délicate, et qui, sous les dents est une vraie pâte d'amandes ; de perdrix relevées d'un fumet surprenant, et pour son opéra, d'une soupe à bouillon perlé soutenue d'un jeune gros dindon cantonné de pigeonneaux et couronné d'oignons blancs mariés avec la chicorée. Mais, pour moi, je vous avoue mon ignorance ; et, comme monsieur Jourdain a fort bien dit, je voudrais que le repas fût plus digne de vous être offert.

(d) A cet intérêt que la personne de *Cicéron* donne à sa correspondance, il s'en joint pour nous un autre plus vif encore. On a vu, par tout ce que je viens d'écrire, combien notre temps ressemble à l'époque dont ces lettres nous entretiennent. Elle n'avait pas plus que la nôtre de croyance solide, et la triste expérience qu'elle avait faite des révolutions l'avait dégoûtée de tout, en l'habituant à tout. Elle connaissait, comme nous, ces mécontentements du présent et ces incertitudes du lendemain qui ne permettent pas de goûter un repos tranquille. Nous nous retrouvons en elle ; les tristesses des hommes de ce temps sont en partie les nôtres, et nous avons souffert des maux dont ils se plaignaient. Nous sommes placés comme eux dans une de ces époques intermédiaires, les plus douloureuses de l'histoire, où, les traditions du passé ayant disparu et l'avenir ne se dessinant pas encore, on ne sait plus à quoi s'attacher, et nous comprenons bien qu'il leur soit arrivé souvent de dire avec le vieil *Hésiode* : "Que je voudrais être mort plus tôt, ou être né plus tard !" C'est ce qui donne pour nous un intérêt si triste et si vif à la lecture des lettres de *Cicéron* ; c'est ce qui m'a d'abord attiré vers elles ; c'est ce qui, peut-être, fera trouver quelque plaisir à vivre un moment dans la compagnie des personnages qu'elles nous dépeignent et qui, malgré les années, semblent souvent être nos contemporains.

## SECOND PAPER.

### 1. Translate into French :—

"In a fortnight or three weeks," added my uncle Toby, smiling, "he might march." "He will never march, please your honour, in this world," said the corporal. "He will march," said my uncle Toby, rising up from the side of the bed, with one shoe off. "If it please your honour," said the corporal, "he will never march but to his grave." "He shall march," cried my uncle Toby, marching the foot which had a shoe on, though without advancing an inch, "he shall march to his regiment." "He cannot stand it," said the corporal. "He shall be supported," said my uncle Toby. "He'll drop at last," said the cor-



poral, "and what will become of his boy?" "He shall not drop," said my uncle Toby firmly. "Ah well, do what we can for him," said Trim, maintaining his point, "the poor soul will die." "He shall not die," cried my uncle Toby.

2. Conjugate and give 2nd pers. sing. pres. indic. and past definite of *manger*, *acquérir*, *jeter*, *asseoir*, *rétir*, *mourir*, *moudre*, *traire*, *luire*, *cueillir*.

3. When is the subjunctive mood used in French? When is it used with *ne*? What is the difference in the use of *voilà* and *il y a*, of *temps* and *fois*?

4. (a) What are the chief facts in the History of Protestantism in France.

(b) Give the causes, main facts, and actors in the various Revolutions that have taken place in France.

5. (a) Give some account of the Life and Works of Molière and Victor Hugo.

(b) Give the name of the authors and the approximate dates of the following works, and state what you know about each: — *Lettres Provinciales*, *Nouvelle Héloïse*, *Athalie*, *Grand Testament*, *Candide*, *Médecin malgré lui*, *Le Cid*, *Télémaque*, *Causeries de Lundi*, *Les Trois Mousquetaires*, *Corinne*, *Le Diable*.

5. Give some account of the origin of the French language. Distinguish between *Langue d'Oc* and *Langue d'Oïl*. Compare the forms of *être* and *avoir* with those of the verbs from which they are derived. How do you account for the disappearance of the primitive final *s* in the nouns?

## c.—GERMAN.

### FIRST PAPER.

Translate:—

(a) Wie begrüßt ich so oft mit Staunen die Fluthen des Rheinstroms  
Wenn ich reisend nach meinem Geschäft ihm wieder mich nahte!  
Immer schien er mir grosz und erhob mir Sinn und Gemuthe;  
Aber ich konnte nicht denken, dasz bald sein liebliches Ufer  
Sollte werden ein Wall, um abzuwehren den Franken,  
Und sein verbreitetes Bett ein allverhindernden Graben.  
Seht, so schützt die Natur, so schützen die wackeren Deutschen,  
Und so schützt uns der Herr! Wer wollte thöricht verzagen?  
Müde schon sind die Streiter, und Alles deutet auf Frieden.  
Möge doch auch, wenn das Fest, das lang' erwünschte, gefeiert  
Wird in unserer Kirche, die Glocke dann tönt zu der Orgel  
Und die Trompete schmettert, das hohe *Te Deum* begleitend;  
Möge mein Hermann doch auch an diesem Tage, Herr Pfarrer,  
Mit der Braut entschlossen vor Euch am Altare sich stellen  
Und das glückliche Fest, in allen den Landen begangen  
Auch mir künftig erscheinen, der häuslichen Freuden ein Jahrstag!  
Aber ungern seh' ich den Jüngling, der immer so thätig  
Mir in dem Hause sich regt, nach auszen langsam und schüchtern.  
Wenig findet er Lust sich unter Leuten zu zeigen;

Ja, er vermeidet sogar der jungen Mädchen Gesellschaft Und den fröhlichen Tanz, den alle Jugend begehret. Also sprach er und horchte. Man hörte der stampfenden Pferde Fernes Getöse sich nahn, man hörte den rollenden Wagen, Der mit gewaltiger Eile nun donnert' unter den Thorweg.

(b) Ich ward Soldat aus Parteilichkeit, ich weisz selbst nicht für welche politische Grundsätze und aus der Grille, dasz es für jeden ehrlichen Mann gut sei, sich in diesem Stande eine Zeitlang zu versuchen, um sich mit allem, was Gefahr heiszt vertraulich zu machen, und Kälte und Entschlossenheit zu lernen. Nur die äusserste Not hätte mich zwingen können, aus diesem Versuche eine Bestimmung, aus dieser gelegentlichen Beschäftigung ein Handwerk zu machen. Aber nun, da mich nichts mehr zwingt, nun ist mein ganzer Ehrgeiz wiederum einzig und allein, ein ruhiger und zufriedener Mensch zu sein. Der werde ich mit Ihnen unfehlbar werden; der werde ich in Ihrer Gesellschaft unveränderlich bleiben.—Morgen verbinde uns das heiligste Band; und so dann wollen wir um uns sehen, und wollen in der ganzen weiten bewohnten Welt den stillsten heitersten lachendsten Winkel suchen, dem zum Paradiese nichts fehlt, als ein glücklicher Paar. Da soll jeder unsrer Tage—Was ist Ihnen?

(c) Aber welch ein Anblick als man jetzt wieder zu sich selber kam! Von dem Schlage des entzündeten Vulkans war die Schelde bis in ihre untersten Tiefen gespalten und mit mauerhoher Flut über den Damm, der sie umgab, hinausgetrieben worden, so dasz alle Festungswerke am Ufer mehrere Schuh hoch im Wasser standen. Drei meilen im Umkreise schütterte die Erde. Beinahe das ganze linke Gerüste, an welchem das Brandschiff sich angehängt hatte, war nebst einem Theile der Schiffbrücke auseinander gesprengt zerschmettert und mit Allem, was sich darauf befand, mit allen Mastbäumen, Kanonen und Menschen in die Luft geführt worden. Selbst die ungeheuern Steinmassen welche die Mine bedeckten, hatte die Gewalt des Vulkans in die benachbarten Felder geschleudert, so dasz man nachher mehrere davon tausend Schritte weit von der Brücke, aus dem Boden herausgrub. Sechs Schiffe waren verbrannt, mehrere in Stücke gegangen. Aber schrecklicher als alles dieses war die Niederlage, welche das mörderische Werkzeug unter den Menschen anrichtete. Fünfhundert, nach andern Berichten sogar achthundert, Menschen wurden das Opfer seines Wuth, diejenigen nicht einmal gerechnet, welche mit verstümmelten oder sonst beschädigten Gliedern davorkamen; und die entgegengesetztesten Todesarten vereinigten sich in diesem entsetzlichen Augenblicke.

(d) Auf einem groszen starkknochigen Rosse nahte ein Mann, dessen kräftige Haltung dessen heiteres frisches Ansehen in sonderbarem Contrast stand mit der tiefgefurchten Stirne und dem schon ins Graue spielenden Haar und Bart. Er trug einen zugespitzten Hut mit vielen Federn, einen Brustharnisch über ein eng anschliessendes rothes Wamms Beinkleider von Leder, mit Seide ausgeschlitz, die wohl von Neuem recht hübsch gewesen sein worden, aber durch Regen und Strapazen eine einförmige dunkelbraune Farbe erhalten hatten. Weite schwere Reiterstiefel schlossen sich unter den Knien an. Sein einzige Waffe, ein ungewöhnlich groszes Schwert mit langem Griffe ohne Korb, vollendete das Bild eines gewaltigen, unter Gefahren früh ergrauten Kriegers.

## SECOND PAPER.

## 1. Translate into German :—

The town of *Göttingen*, celebrated for its sausages and University, belongs to the King of Hanover, and contains nine hundred and ninety-nine dwellings, divers churches, an observatory, a prison, a library, and a "council cellar," where the beer is excellent. The stream which flows by the town is called the *Leine*, and is used in summer for bathing, its waters being very cold, and, in more than one place, so broad that my dog was compelled to take quite a run before he could jump across. The town itself is beautiful, and pleases most when looked at—backward. The inhabitants of *Göttingen* are generally and socially divided into students, professors, Philistines, and cattle, the points of difference between these castes being by no means strictly defined. The cattle class is the most important.

2. Conjugate the following verbs :—*braten, denken, graben, hauen, wissen, schmeissen, sieden, hintergehen*. What is the difference between Separable and Inseparable Prefixes? Give four instances of each.

3. Give the German for—(a) the secret of becoming rich, (b) from want of money, (c) the love of life, (d) the fear of death. Give the gender and nominative plurals of the following nouns :—*Gift, Ohr, Spur, Spiegel, Falke, Komet, Thor*.

4. (a) Give some account of the life and works of Goethe and Lessing.

(b) Give the names of the authors and approximate dates of the following works, and state what you know about each :—*Reisebilder, Undine, Wallenstein, Nibelungenlied, Wilhelm Meister, Kritik der Reinen Vernunft, Flegeljahre, Reineke Fuchs, Laocoon, Messias*.

5. (a) Give some account of the Policy and Wars of Frederick the Great.

(b) What were the causes and circumstances of the Unification of Modern Germany?

## II.—LAW EXAMINATIONS FOR LL.B. AND B.L.

## 1. CIVIL LAW.—THREE HOURS.

1. Explain the terms *lex* ; *plebiscitum* ; *Senatus consultum* ; *principum placita* ; *magistratum edicta* ; *responsa prudentium*.

2. "*Olim scriptura fiebat obligatio, quae nominibus fieri dicebatur, quae nomina hodie non sunt in usu.*" Explain to what this refers.

3. What were the elements necessary to constitute legal possession in the Roman Law? Under what circumstances did possession ripen into ownership through lapse of time?

4. "*Tutor pupillo datus si provocet interim pupillo curator dabitur. Sed si tutoris auctoritas fuerit necessaria, veluti ad adeundam hereditatem, tutor ei necessario dabitur quoniam curatoris auctoritas ad hoc inutilis est.*" Translate, and explain the distinction between the *auctoritas* of a tutor and a curator referred to.

5. In what different modes might (1) *res singulae*, (2) *universitates rerum* be acquired?

6. What were *donationes mortis causa*? In what respects did they differ from legacies?

7. Sketch the history of the formalities necessary to the making of a testament down to the time of Justinian.

8. Explain the following terms: *fideipromissio*; *fideijussio*; *usufructus*; *actio redhibitoria*; *injuria*.

9. Give the substance of any three of the following *leges*, vizt.: *Aquilia*, *Falcidia*, *Atilia*, *Junia Norbana*, *Hortensia*, *Julia et Papia Poppaea*.

10. What steps were necessary under the strict civil law to make a principal liable upon a contract made upon his behalf by a mandatory? In what manner did the praetor introduce a direct liability upon such contracts?

11. Notice the influence of the Stoic philosophy upon the development of Roman Law.

12. Translate and comment upon the following passage, vizt: "Nonnunquam evenit, ut cessantibus judiciis probitis et vulgaribus actionibus, quum proprium nomen invenire non possumus, facile descendamus ad eas, quae in factum appellantur. Sed ne res exemplis egeat, paucis agam. Domino mercium in magistrum navis, si sit incertum, utrum navem conduxerit, an merces vehendas locaverit, civilem actionem in factum esse dandam Labeo scribit. Item si quis pretii explorandi gratia rem tradat neque depositum, neque commodatum erit; sed non exhibita fide in factum civilis subjicitur actio."

## 2. LAW OF SCOTLAND.—THREE HOURS.

NOTE.—Only TWELVE of the following questions are to be attempted.

1. Give the general rules as to the measure of damage.

2. "Dies inceptus pro completo habetur." Explain and illustrate this.

3. What are the rules as to warranty of title and warranty of quality in the sale of goods?

4. Compare the duties of railway companies as carriers of goods and of passengers.

5. What is stoppage *in transitu*? Discuss the case of a factor forwarding goods.

6. How may a cautionary obligation be discharged?

7. What limitations apply to bills of exchange, and procedure thereon?

8. Compare Retention, Lien, Pledge, and Hypothec.

9. What is the effect on a firm of the marriage of a female partner?

10. What are now the property rights of married women?
11. Sketch the Laws of Consanguinity.
12. What is the *conditio si sine liberis decesserit*, and what is its effect?
13. What provision is made for the protection of persons of weak or unsound mind and their property?
14. Explain the phrases:—Liquidate damages, Jointly and severally, Holding out, Relevant averment, British ship.
15. What is accession to a crime, and what is the effect of it?

### 3. CONVEYANCING.—THREE HOURS.

1. Give the substance of (a) the old form of a procuratory of resignation *in favorem*, (b) the old form of a procuratory of resignation *ad remanentiam*, (c) the old form of a precept of sasine, and (d) the short form of precept introduced by the Act of 1845.
2. What is meant by (a) a double manner of holding, (b) an indefinite precept, and (c) irritancy *ob non solutum canonem*? State to whom the action of irritancy is available.
3. What is the difference in form between a disposition of superiority and a disposition of property? Can a right to the *dominium utile* be acquired by prescription under a disposition of the “superiority” *per expressum*?
4. State the provisions of the Acts of 1868 and 1874 as to short descriptions of lands and references to burdens.
5. B, infeft and entered, died succeeded by C, who obtained from the superior A a precept of clare constat, and died uninfeft and intestate, succeeded by D. D expedes a general service as heir of C, and took infeftment on the precept as carried by the service. Explain the rule under which D's title is bad; and state how the title might have been remedied if C died (a) in 1870 and (b) in 1880.
6. “A special service by itself did nothing.” Explain when and how far this was true; and state what was the object and what the effect of a special service (a) in 1820, (b) in 1850, and (c) in 1880.
7. B, infeft and entered, disposed to C *a me vel de me*, and C, infeft but unconfirmed, died intestate succeeded by D. D expedes a general service as heir of C, obtained a charter of resignation from the superior A, and was infeft thereon. Explain the position of the title prior to 1874; and state what further steps, if any, were necessary fully to vest the property in D.
8. B, infeft and entered, disposed to C, and C, infeft but unconfirmed, disposed to D. D died, infeft but unconfirmed and intestate, succeeded by E. In how many ways, specifying them exactly, could you, in 1870, have completed E's title (a) where the dispositions were expressed *a me vel de me*, and (b) where they were expressed *a me* only?
9. In a bond and disposition in security, what is meant by the clause “and on default in payment I grant power of sale”? Specify



the various steps requiring to be taken in order to give a purchaser from the bondholder a clear title.

10. What is meant by fiduciary fee? State the rules for determining in whom is the beneficial and in whom is the fiduciary fee in destinations to parent and child.

11. State the cardinal rules to be observed in determining (a) the period of vesting under a testamentary settlement, and (b) in whom is the fee under a conjunct destination to husband and wife.

12. State shortly the requisites of a simple general settlement in favour of B, to carry both heritable and moveable estate. What alterations have been sanctioned by statute? Explain what is necessary to the due execution when the granter cannot write.

#### 4. PUBLIC INTERNATIONAL LAW.—THREE HOURS.

*5th April, 1893.*

1. What are the legal effects of a protectorate over a barbarous country?

2. What are the recognised rights of foreigners in navigable rivers?

3. What jurisdiction is exercised by the Scottish Courts in the case of crimes committed outside of Scottish territory?

4. Compare the rules given for the interpretation of treaties with those for the interpretation of statutes and private contracts.

5. Give the several points of the Declaration of Paris, and write a short commentary thereon.

6. Give an account of *one* of the following cases:—The Maine Boundary, M'Leod's Case (Canada, 1841), The Cessio of Genoa (1815).

7. Explain the following phrases:—Trade domicil, Pacific blockade, Chargé d'Affaires, Piracy, Contributions and requisitions.

*(ONE question to be omitted.)*

#### PRIVATE INTERNATIONAL LAW.

1. Illustrate the conflict of laws by the laws of nationality.

2. Compare nationality and domicil, and show whether or not the former may be substituted for the latter.

3. What law regulates the capacity of a person to contract?

4. What law regulates legitimation by subsequent marriage?

*(ONE question to be omitted.)*

#### PHILOSOPHY OF LAW.

1. Discuss the phrases Jurisprudence, Maritime Jurisprudence, French Jurisprudence, Architectural Jurisprudence, Medical Jurisprudence.

2. In what senses is the phrase "Public Law" used?
3. What is a legal Fiction? Illustrate by the doctrine of extraterritoriality.
4. The relation of Law and Politics. Illustrate by the doctrines of Intervention and Recognition.

(ONE question to be omitted.)

---

## 5. CONSTITUTIONAL LAW AND HISTORY.—THREE HOURS.

1. Explain the maxim "*Rex non potest peccare*."
  2. Explain the following terms, vizt.: Budget, Consolidated Fund, Civil List, Appropriation Act, Treasury Chest Fund.
  3. What special rules exist with regard to money bills as distinguished from ordinary bills?
  4. "The doctrine of *non obstantes* abdicated Westminster Hall when King James abdicated the Kingdom." Explain the doctrine here referred to, and how it was employed under James II. to advance the influence of the Royal Prerogative.
  5. State the law as to the liability of (1) judges of the Superior Courts, (2) magistrates or justices, for acts done in their judicial capacity.
  6. Give a short account of the origin and development of the Cabinet Council.
  7. What is meant by (1) the liberty of the press, (2) the right of public meeting? How do these rights exemplify the rule of law in the Constitution?
  8. In what ways may the House of Commons show its want of confidence in the ministry?
  9. Notice the principal Acts passed by the Seven Years' Parliament of Henry VIII.
  10. Give an account of the dispute between James I. and Parliament, arising out of the matter of the Spanish marriage, and notice the Constitutional issues involved.
  11. Notice the principal Acts of Constitutional importance passed by the Long Parliament.
  12. Discuss the Constitutional importance of the Revolution.
- 

## 6. MEDICAL JURISPRUDENCE.—TWO HOURS.

(FIVE only of the questions to be answered.)

1. How far, and in what way, may the gravity of wounds be influenced by the region of the body in which they have been inflicted?
2. Classify wounds; and state how the examination of wounds upon a dead body may lead to the opinion that they were (a) suicidal, (b) homicidal, or (c) accidental.

3. Define impotence and sterility; and discuss the principal causes which may give rise to these conditions.

4. What appearances would lead to the opinion that a woman had been delivered, for the first time, and at the full period, four days previous to the examination being made?

5. In a case of alleged rape of a woman aged 18 years, what medical evidence would tend to show that the crime had not been committed?

6. Discuss the testamentary capacity of persons suffering from (a) intellectual mania, and (b) moral mania.

## VI.—EXAMINATION FOR LUKE HISTORICAL PRIZE.

### A.—ROMAN HISTORY.

1. State the exact date, locality, and occasion of each of the following Battles, with the names of the commanders and peoples engaged on either side:—

- |                      |                              |
|----------------------|------------------------------|
| (1) Battle of Pydna. | (6) Battle of Aquae Sextiae. |
| (2) „ Asculum.       | (7) „ Trebia.                |
| (3) „ Sacriportus.   | (8) „ Thapsus.               |
| (4) „ Metaurus.      | (9) „ Mylae.                 |
| (5) „ Cynoscephalae. | (10) „ Magnesia.             |

2. Give the date, the occasion, and the purport of the following laws:—

- |                          |                                |
|--------------------------|--------------------------------|
| (1) Lex Aternia Tarpeia. | (6) Lex Cassia Tabellaria.     |
| (2) „ Gabinia.           | (7) „ Cassia Agraria.          |
| (3) „ Icilia.            | (8) „ Pubilia.                 |
| (4) „ Plautia Papiria.   | (9) „ Horatio de Provocatione. |
| (5) „ Fufia.             | (10) „ Aurelia Iudiciaria.     |

3. Compare the religion, and the religious sentiment, of the Romans with those of the Greeks.

4. Enumerate the Roman Provinces in the time of Augustus, indicating briefly their boundaries, and naming the modern country or countries to which they correspond.

5. The influence of Etruria upon Rome.

6. What does Cicero mean by *Concordia Ordinum*? State clearly in what it consisted, and what were the courses which led to its collapse. Refer to any passages in Cicero, or periods in his life, in which reference is made to it.

7. Give the main points in the legislation of Sulla. Was it permanent? If not, why not?

8. What were the facts which rendered the establishment of a *principatus* at Rome inevitable? Trace the gradual growth of the “one man power” at Rome.

9. Trace the spread of Roman conquest in the East, with dates and names.

10. How far was the Roman electoral system successful in attracting men of the best class to politics?

11. What methods of political obstruction existed at Rome?

12. What political elements entered into the poetical literature of the Augustan age? Contrast the political attitude of Augustan writers with that of the post-Augustan age, and state the causes of the change.

## B.—GREEK HISTORY.

NOTE.—Candidates are advised not to attempt more than SIX questions, one of which must be Question 1.

1. Translate and comment upon any five of the following passages:—

(1) Μετὰ δὲ, τὰ ἐς πόλεμον ἔχοντα, ἐνωμοτίας καὶ τριηκάδας καὶ συσσίτια, πρὸς τε τοῖτοισι τοὺς ἐφόρους καὶ γέροντας ἔστησε Λυκούργος. (Herod. I. 65.)

(2) Πολυκράτης γάρ ἐστι πρῶτος τῶν ἡμεῖς ἴδμεν Ἑλλήνων, ὃς θαλασσοκρατεῖν ἐπενοήθη, παρέξ Μίνωός τε τοῦ Κνωσσίου, καὶ εἰ δὴ τις ἄλλος πρότερος τοῦτου ἦρξε τῆς θαλάσσης. (Herod. III. 122.)

(3) Οἱ δὲ Φοίνικες οὗτοι οἱ σὺν Κάδμῳ ἀπικόμενοι, τῶν ἦσαν οἱ Γεφυραῖοι, ἄλλα τε πολλὰ, οἰκῆσαντες ταύτην τὴν χώραν, ἐσήγαγον διδασκάλια ἐς τοὺς Ἕλληνας, καὶ δὴ καὶ γράμματα· οὐκ ἔοντα πρὶν Ἑλλήσι, ὥς ἐμοὶ δοκέειν. (Herod. V. 58.)

(4) Θῶμα δέ μοι, καὶ οὐκ ἐνδέκομαι τὸν λόγον, Ἀλκαμεινίδας ἂν κοτε ἀναδέξαι Πέρσῃσι ἐκ συνθήματος ἀσπίδα, βουλομένους ὑπὸ βαρβάροισι τε εἶναι Ἀθηναίους καὶ ὑπὸ Ἰππύῃ. (Herod. VI. 121.)

(5) Καὶ ἄλλοι τε παρόντες ἐγκλήματα ἐποιοῦντο ὥς ἕκαστοι καὶ Μεγαρῆς, δηλοῦντες μὲν καὶ ἕτερα οὐκ ὀλίγα διάφορα, μάλιστα δὲ λιμένων τε εἵργεσθαι τῶν ἐν τῇ Ἀθηναίῳ ἀρχῇ καὶ τῆς Ἀττικῆς ἀγορᾷ παρὰ τὰς σπονδὰς. (Thuc. I. 67.)

(6) Οἱ μὲν δὴ Ἀθηναῖοι καὶ οἱ Πελοποννήσιοι ἀνεχώρησαν τῷ στρατῷ ἐκ τῆς Πύλου ἑκάτεροι ἐπ' οἶκου, καὶ τοῦ Κλέωνος καίπερ μανιώδης οὖσα ἡ ὑπόσχεσις ἀπέβη. (Thuc. IV. 39.)

(7) Ξυνέβαινε δὲ καὶ πρὸς τοὺς Ἀγρείους αὐτοῖς τὰς τριακονταέτερις σπονδὰς ἐπ' ἐξόδῳ εἶναι, καὶ ἄλλας οὐκ ἤθελον σπένδεσθαι οἱ Ἀγρείοι, εἰ μὴ τις αὐτοῖς τὴν Κυνοσοῦραν γῆν ἀποδώσει. (Thuc. V. 14.)

(8) Ἐν δὲ τούτῳ, ὅσοι Ἑρμαὶ ἦσαν λίθινοι ἐν τῇ πόλει τῇ Ἀθηναίων (εἰσι δὲ κατὰ τὸ ἐπιχώριον, ἡ τετράγωνος ἐργασία, πολλοὶ καὶ ἐν ἰδίοις προθύροις καὶ ἐν ἱεροῖς) μιᾷ νυκτὶ οἱ πλείστοι περιέκόπησαν τὰ πρόσωπα. (Thuc. VI. 27.)

(9) Οἱ δὲ πρυτάνεις φοβηθέντες ὡμολόγησαν πάντες προθήσειν, πλὴν Σωκράτους τοῦ Σωφρονίσκου· οὗτος δ' οὐκ ἔφη ἄλλ' ἢ κατὰ τοὺς νόμους πάντα ποιήσειν. (Xenophon, *Hellenica*, I. vii. 15.)

(10) Τίς μὲν οὖν ἡ φύσις τοῦ δούλου καὶ τίς ἡ δύναμις ἐκ τούτων δῆλον· ὁ γὰρ μὴ αὐτοῦ φύσει ἄλλ' ἄλλον, ἄνθρωπος δὲ, οὗτος φύσει δούλος ἐστίν. (Aristotle, *Politics*, I. 4.)

2. How far can Homer's pictures of early Greek society be regarded as historical?

3. Enumerate the more important Greek colonies in Sicily and Magna Graecia, and describe the circumstances under which they were founded.

4. Distinguish carefully the various Persian expeditions against Greece. Draw a sketch map showing the route followed by Xerxes from Sardis to Attica.

5. Give some account of the life of Cimon son of Miltiades, with special reference to his political action.

6. What were the main lines of the home and foreign policy of Pericles? How far was the disastrous conclusion of the Peloponnesian War due to departures from his principles of action?

7. What were the political views of Aristophanes? Illustrate your answer by detailed reference to any one of his plays.

8. Describe the position of the Athenians before Syracuse at the time of the arrival of Gylippus. Illustrate, if you can, by a sketch map.

9. What various constitutional changes took place at Athens between the years 412 and 402 B.C.

10. Discuss briefly the causes and the consequences of the Theban supremacy.

11. Trace the growth of the power of Macedon between 348 and 338 B.C.

12. Enumerate the chief political speeches of Demosthenes, and indicate the main purport of any one of them.

13. Give some account of the Achaean League.

## VII. CLASS EXAMINATIONS.

### MIDDLE HUMANITY CLASS.

FIRST EXAMINATION.—5th November, 1891.

1. Decline in full, both in singular and plural—*quidam, alacer, nox*.

2. Give (1) the meaning, (2) gender, (3) ablative singular, and (4) genitive plural, of the following—*vetus, advena, arbor, crux, passus, aes, iter, filia, aedes, civis*.

3. Write down, in a tabular form—(1) the 3rd person sing. pluperf. ind. act.; (2) the 2nd sing. impf. subj. act.; (3) the 2nd sing. fut. ind. pass.; and (4) the fut. infin. pass. of the following verbs (noting deficiencies if any)—*fungo, parco, doceo, pungo, veto, iubeo, sentio, intelligo, nanciscor, prodo, fungor, sepelio*.

4. Give the meaning of the following words, and quote or construct sentences exhibiting the construction of each—*potior, careo, pareo, dignus, indulgeo, cupio, contrarius, tenuis, induor, opus*.

5. Translate into Latin:—

(1) I liked playing when a boy; I am wearied of all pleasure now I am old.

(2) Having heard his father encourage (*hortari*) his soldiers, and seen him resisting the enemy, I know that he is a brave man.

(3) I asked him why he had remained for three days at Capua without attacking the Carthaginians.

(4) He retreated at first that he might advance (*progredi*) the quicker afterwards; had I known that, I would have forgiven him at once.



## SENIOR HUMANITY CLASS.

FIRST EXAMINATION.—4th November, 1891.

1. Translate into English one (*not both*) of the following passages :—

- (a) Serves iturum Caesarem in ultimos  
 Orbis Britannos et iuvenum recens  
 Examen Eois timendum  
 Partibus Oceanoque rubro.  
 Eheu cicatricum et sceleris pudet  
 Fratrumque. Quid nos dura refugimus  
 Aetas? quid intactum nefasti  
 Liquimus? unde manum iuventus  
 Metu deorum continuit? quibus  
 Perpercit aris? O utinam nova  
 Incude diffingas retusum in  
 Massagetis Arabasque ferrum!

(b) Castra extra urbem in ipso litore habebat Bostar, ut aditum ea parte intercluderet Romanis. Ibi eum in secretum abductum, velut ignorantem, monet (*i.e.*, *Abelux*), quo statu sit res: metum continuisse ad eam diem Hispanorum animos, quia procul Romani abessent; nunc eis Hiberum castra Romana esse, arcem tutam perfugiumque novas volentibus res; itaque, quos metus non teneat, beneficio et gratia devinciendos esse. Miranti Bostari percontantique, quodnam id subitum tantae rei donum posset esse, 'Obsides,' inquit, 'in civitates remitte. Id et privatim parentibus, quorum maximum momentum in civitatibus est suis, et publice populis gratum erit. Vult sibi quisque credi, et habita fides ipsam plerumque obligat fidem.'

2. Translate the following into Latin :—

- (a) I can count upon my fingers the persons I wish to injure.  
 (b) We all of us believe that one day, when all men receive their due, the good will be separated from the evil.  
 (c) He could not tell who he was, where he was going, or what he will do when he gets there.  
 (d) He first sent his son to ask for the consul's pardon, and then behaved so outrageously as to disgust even his own friends.  
 (e) He determined to advance so soon as the enemy should have landed.  
 (f) Though you think otherwise now, I am sure that if you had seen what I did you would not have refrained from tears.

## XII.—VACATION EXERCISES, *Etc.*

FOR 1893-94.

---

### CLASSES OF ORIENTAL LANGUAGES.

Prizes are offered :—

1. For an Essay on the formation of the Old Testament Canon.
2. For an examination on unpointed text.
3. For an original Composition in Hebrew.
4. For readings in the Old Testament Scriptures.

Professions to be given in, in writing, not later than 10th November, 1893.

---

### MORAL PHILOSOPHY CLASS.

- I. Open to Students of Session 1892-93.  
An Examination on Plato's Works, especially the *Phaedo*, *Phaedrus*, *Theatetus*, *Sophist*, *Philebus*, *Republic*, and *Timæus*.
  - II. Open to Students of Session 1893-94.  
An Examination on Ferrier's *Lectures on Greek Philosophy*, pp. 1—266 ; and Zeller's *Socrates and the Socratic School*.
- 

### LOGIC CLASS.

#### VACATION ESSAYS AND READING.

##### I. *For Students of Session 1892-93.*

##### A.—ESSAYS.

1. Evolution.
2. Schemes of Idealism.

##### B.—READING.

1. *Knowing and Being* (Blackwood & Sons, Edinburgh).
2. Descartes' *Meditations* and *Principles of Philosophy* (English Translation of 1879 or subsequent editions), with the Introductory Essay.

3. Hamilton's Discussions, viz., *Philosophy of the Unconditioned*, *Philosophy of Perception and Logic*, with Appendix I., Philosophical.

A student may take up one or more of the subjects prescribed. The Essay to be given into the Professor on Thursday, 7th December, 1893, with sealed letter containing author's name and motto.

The Examination in Reading will take place before Christmas.

- II. For students who propose to join the Class for the first time in October, 1893, the following Reading is recommended, viz.: *Institutes of Logic*, Part I., chapters i., ii., iii., iv., vi., vii., viii., ix., x., xi. (large print only); Descartes (English Translation of 1879 or subsequent edition), *Introduction*, sections I., II., III., and *Meditations*, I., II., and IV.

Prizes will be given for examination in this department. The examination will take place early in November, 1893.

## ENGLISH LITERATURE.

### VACATION READING.

Shakespeare's *Hamlet*, *Othello*, *King Lear*, *Macbeth*.

The Examination is open to members of the Class of 1892-93, and to intending members of the Class of 1893-94. A prize will be given for the best paper done in each class. Questions requiring a minute study of the text will not be set.

## GREEK CLASSES.

- I. Open to any member of the Greek Class, Sessions 1892-93 and 1893-94.

1. Greek Prose—Addison, *The Tatler*, No. 146, "As I was sitting"—to the end.
2. To learn by heart Sophocles' *Antigone*, omitting the lyrical passages.
3. To learn in the same way Aeschylus' *Persae*.

The same man may enter for all the above competitions. Several prizes may be given for each competition.

- II. Open to the Senior Class of 1893-94.

A written examination in Sophocles' *Oedipus Tyrannus*, to be held in October, 1893.

- III. Open to the Lower Middle and Junior Classes of 1892-93.

A written examination in Euripides' *Bacchae*, to be held in October, 1893.

The prose to be sent in by 1st October, 1893.

## HUMANITY CLASS.

Prizes will be given for Vacation Exercises as follows :—

- I. Open to all students who shall enrol in the Senior Class of 1893-94, for the best Examination in the following subjects :—
  1. Livy, Book XXI. (Capes).
  2. Horace, *Odes* I. ; Virgil, *Georgics* I.
- II. Open to all members of the Junior Class, 1892-93.
  1. Virgil, *Æneid* V., lines 1—449 (Sidgwick).
  2. Cicero, *De Senectute* (Sidgwick or Reid).
- III. For Latin Prose—Open to all members of the Senior Class, 1892-93. For the best Latin essay on “The Character of Tiberius as drawn by Tacitus.”
- IV. For Latin Prose—Open to all students who shall enrol in the Senior Class of 1893-94. For the best translation of the following pieces from Ramsay's Latin Prose, Vol. II., Nos. 389, 444, 446, 468.
- V. For Latin Prose—Open to all members of the Junior Class, 1892-93. For the best translation into Latin of the *Students' Rome*, cap. 39, §§ 9—10 inclusive, from “The same period,” to “part of provincial governors.”

The Examinations in the above subjects will be held early in November, 1893. The exercises must be sent in to the Professor on or before 15th November. Each exercise must bear a motto and be accompanied by an envelope bearing the same motto, with the writer's name inside, together with a statement that the exercise is his own unaided work.

---

 CLASS OF BOTANY.

A prize is offered to Students in the Class of Botany in Session 1893-94 for the best and approved Herbarium of Scottish Phanerogamous and Vascular Cryptogamous plants, to be named after Hooker's *Students' Flora of the British Islands*. The specimens must have been collected upon the mainland of Scotland, or upon the Scotch Islands, between 9th July, 1893, and 9th October, 1894, and must have affixed, in addition to the name, the date and locality of collection.

The Herbaria must be sent, addressed to the Professor of Botany, to the University of Glasgow, on or before 9th October, 1894, and with each a sealed note bearing a motto outside, and containing the name of the competitor, with a declaration that the plants in the collection have all been gathered by himself in Scotland, and within the period above stated, and that they have been named by him without assistance save that derived from books or Herbaria.

The collections must be accompanied by a numbered and arranged list of the plants contained in them.

### *XIII.—ABSTRACT OF THE PROCEEDINGS OF THE UNIVERSITY COURT.*

---

FROM 1ST JUNE, 1892, to 31st MAY, 1893.

---

**23rd June, 1892.**—The Court met. Present—The Principal (in the chair); Sir James King, Bart.; James Colquhoun; Hector C. Cameron, M.D.; Sir John N. Cuthbertson; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Sheriff Berry; Professor Stewart; Professor Ramsay, and Professor Leishman. The Court considered a letter from the Commissioners asking, in view of the fact that the Ordinance Regulating Degrees in Arts may be in force before next winter session, for a statement of additional sums required by this University (*a*) for payment of Examiners and (*b*) for payment of Assistants and other matters. A statement prepared by a Committee was submitted and approved, and it was remitted to Professor Stewart and Mr. Clapperton, the Secretary, to answer the Commissioners' letter in accordance therewith. Copies of a Memorial which had been laid before the Bellahouston Bequest Fund Trustees by Dr. Coats, Lecturer on Pathology, were submitted. A letter was submitted intimating that the Senate had resolved to represent to the Court that it is desirable to appoint an Assistant in each of the following classes in the Medical Faculty, viz., Practice of Medicine, Natural History, Surgery, Midwifery, Botany and Institutes of Medicine, and to increase the provision for assistance in the classes of Materia Medica and Forensic Medicine. Applications from James Blyth, M.A., F.R.S.E., of the Technical College, Glasgow, and Andrew Gray, M.A., University College, Bangor, for recognition of Lectures in both cases on Physics as qualifying for Degrees, were remitted to the Senate for report. An application from Professor Murray for leave of absence for one year owing to continued serious ill health was submitted and the leave granted. A letter from the Commissioners regarding proposed Regulations for Bursaries was submitted, along with a Report by a Committee of the Senate on the subject, and the Secretary was instructed to reply to the Commissioners in terms of that report as adopted. A Report upon Bursary, etc., foundations by a Committee of the General Council, and transmitted by the Council to the Court, was submitted. A representation by the General Council on the subject of wearing the University gown in the Arts Classes was remitted to the Committee on University Gowns and Hoods. A representation was submitted from the General Council regarding the increased duties and the future remuneration of their Clerk, and the Secretary was instructed to reply that the Court have already made a representation to the Commissioners upon the subject, and further that the Court will take the extra work that has recently fallen upon the Clerk into their favourable consideration. The Court considered various matters and appointments which will be rendered necessary should the



Ordinances adjusted by the Commissioners become law before 1st July, and tentatively made arrangements connected therewith. The Court agreed to hold a special meeting on Monday next for the purpose of considering a further report by a Committee on the question of affiliation of Queen Margaret College, and documents connected therewith. In further answer to the General Council's representation upon the subject of Diplomas in Public Health, the Secretary was instructed to transmit to the Council a copy of the Report on Public Health, dated 24th March, 1892, submitted to the Court 28th April, 1892. The Chairman was authorized to sign a joint Memorial by the Universities of Aberdeen, St. Andrews, and Glasgow, to the Commissioners on the subject of Stamp Duty on the Degree of M.D. in the Scottish Universities. Upon the invitation of Her Majesty's Gresham University Commissioners, the Court appointed Professor Leishman and Dr. Cameron to give evidence before the Commissioners if necessary. In answer to a communication from the publishers, the Secretary was instructed to reply that the Court have no objection to offer to the raising of the price of the Calendar from 2s. 6d. to 3s. Excerpt Minutes of Senate granting the privilege of Special Reader at the University Library were submitted.

**27th June, 1892.**—The Court met. Present—The Principal (in the chair); Sir James King, Bart.; James Colquhoun; Hector C. Cameron, M.D.; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Sheriff Berry; Professor Stewart, and Professor Leishman. There was submitted a Report by the Committee on the application of Queen Margaret College on a scheme proposed by the Council of the College that, in lieu of affiliation, North Park House and Grounds, together with the Endowment Fund of £15,260, and other prospective funds, should be handed over to the University, on condition that the University itself should undertake the duty of providing University teaching for women, the deed of gift to contain two restrictions, viz., that the buildings and grounds of Queen Margaret College should be devoted to the education of women exclusively, and that the funds should be kept separate. The Court resolved (1) That in their opinion it is desirable, in terms of power conferred by Ordinance 18 (if passed) to provide University instruction for women as a general rule by the institution of separate classes for that purpose; (2) That the Court accept the offer of Buildings and Endowments as embodied in the Committee's Report; and (3) That it be remitted back to the Committee to take the necessary steps that arrangements may be made for the teaching of the classes in Queen Margaret College next winter, and, along with the solicitors of the University, to take all other necessary steps to carry what is proposed into operation. Upon a Petition from certain students in Queen Margaret College, the Court agreed—subject to the passing of Ordinance No. 18—to accept within the meaning of Section V. (3) certain Classes which had been attended by these Petitioners, to admit those of the Petitioners who have not fulfilled the requirements of the University Preliminary Examination to examination in the subjects in which they require to pass, and thereafter to admit to the First Professional Examination in Medicine those Petitioners who shall have satisfied the requirements of the University Preliminary Examination. A Minute of Meeting of Finance Committee of 23rd

May, 1892, was read and approved, reporting on new investments made on behalf of the University, and the payment of Half-Yearly Accounts. An application from the Glasgow and West of Scotland Technical College regarding a proposed curriculum for a Degree of B.Sc. in Agriculture, was remitted to a Committee for report. The meeting considered a Report of the Ordinance Committee, and adjusted several amendments to be proposed on Draft Ordinance, Glasgow No. 2, Engineering.

**18th July, 1892.**—The Court met. Present—Sheriff Berry (in the chair); Sir James King, Bart.; James Colquhoun; Hector C. Cameron, M.D.; D. C. M'Vail, M.B.; Professor Stewart, and Professor Leishman. With regard to Regulations for Degrees in Medicine, and in reply to a letter from the Commissioners stating that the Privy Council had requested them to obtain the opinion of the Court as to the propriety of including *Materia Medica* in the Second Examination for the Degrees of M.B., C.M., and Pathology in the Third, the Secretary was instructed to say that if the question merely refers to the order in which the Examinations in these subjects are to be taken, the Court approves of the order laid down in Ordinance No. 14 issued by the Commissioners; but that if the Ordinance is open to further change the Court would suggest the deletion of the provisos at the ends of Sections XIII. and XIV. respectively.

**28th July, 1892.**—The Court met. Present—The Principal (in the chair); Sir James King; James Colquhoun; Hector C. Cameron, M.D.; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Professor Stewart, and Professor Leishman. Mr. Clapperton, the Secretary, reported that he had received official notice from the Privy Council that Ordinances No. 11 (Degrees in Arts), No. 12 (Degrees in Science), No. 13 (Examinations), No. 17 (Assistants and Lecturers), and No. 18 (Graduation of Women), had received the approval of Her Majesty in Council on 28th June last. In terms of Section VII. of Ordinance No. 13 the Court proceeded to make Regulations for the Preliminary Examinations for next Winter Session and fixed the dates. The following were appointed Examiners:—Professor Bradley, Professor Ramsay, Professor Jack, Arthur Cardew, 2 North View, Wimbledon; H. S. Beresford Webb, Norbright, Godstone, Surrey; R. H. Pinkerton, M.A., University College, Cardiff; J. M'Cunn, M.A., University College, Liverpool; and A. M. Bell, Examiner to the India Civil Service. The following appointments were also made, all for one year from 1st October next:—Mr. William Smart, M.A., Nunholm, Dowanhill, to be Lecturer on Political Economy; Mr. W. G. Millar, M.A., LL.B., Lecturer on Philosophy of Law and Public Law for Arts Students; and Mr. James Buchanan, M.A., Examiner for Degrees in Medicine, with special reference to Physics. The Fees for various examinations were also fixed. The Fees for the two separate courses in Pathology were fixed as follows, viz., that each student pay £3 3s. for his First Course, and £2 2s. for his Second Course. In answer to the application of various Professors, the Court expressed their willingness to grant for one year a payment of £100 for the provision of apparatus, and an operator for the preparation of Lantern Slides to be used in illustrating Class Lectures. They also agreed to a grant to Professor Barr of £100 for

provision of apparatus in his Class-room. The Secretary submitted a letter from Mr. J. J. MacLehose, Secretary of the M'Grigor Memorial Fund, stating that the Committee propose to select an upper and a lower western window in the Bute Hall, to be filled with figures of Homer, Aeschylus, Virgil, Horace, Dante, Shakespeare, Chaucer, and Milton, and four patron saints. The figures to be designed by Burne Jones, and executed by Messrs. Morris. Of these proposals the Court approved. Minutes of Meeting of Finance Committee of 27th July, dealing with (1) proposed structural alterations on the farm steading of Vouchers Farm belonging to the University; (2) Joint form of Accounts for the Four Scottish Universities, and other matters, were read and approved. Minutes of Meeting of the Works Committee of 6th July, 1892, dealing with alterations in certain class-rooms and other matters, were read and approved. Upon the application of the Students' Representative Council, the Court resolved to approach the Town Council on the subject of making a pathway from the West-End Park, near the Band Stand, to the University grounds.

**8th September, 1892.**—The Court met. Present—The Principal (in the chair); James Colquhoun; Hector C. Cameron, M.D.; Sir J. N. Cuthbertson; D. C. M'Vail, M.B.; Professor Stewart, and Professor Ramsay. The Principal reported that, subject to the approval of the Court, Professor Murray proposed to appoint Mr. George Macdonald, B.A., Oxford, as his substitute, to do the work of the Class during next Winter Session, and of this appointment the Court approved. The Court further appointed the Principal, Professor Ramsay, and Professor Stewart to confer with Mr. Macdonald on any matters on which he might desire their advice. The Court appointed Professor Gairdner to be one of the Governors of the Victoria Infirmary for the rest of this year, in the place of Mr. James Colquhoun, who has retired. The Secretary reported the retirement of Dr. Oliver, Assistant-Examiner in Physiology in the University, and in his place the Court, having considered the testimonials of various applicants, appointed D. Noel Paton, M.D., etc., Edinburgh, for the rest of Dr. Oliver's term of office, viz., till 1st April, 1893. The Court fixed the Fee for the new Class in Political Economy for Arts Students under the new Ordinances at £2 2s. The Court appointed the following additional Examiner in Classics for the Preliminary Examination next Winter Session, viz., Mr. William Bathgate, 13 Westbourne Gardens, Glasgow. The Court agreed for next Winter Session that Senior Local Examination Certificates and Leaving Certificates should be accepted *pro tanto* in lieu of the Preliminary Examinations in Arts, Science, and Medicine. A letter from the Trustees of the late Dr. Muirhead, of Bushyhills, was submitted, and remitted to a Committee, with power to confer with Dr. Muirhead's Trustees.

**7th October, 1892.**—The Court met. Present—The Principal (in the chair); Hector C. Cameron, M.D.; Sir J. N. Cuthbertson; Rev. J. W. King, M.A.; David C. M'Vail, M.B.; Sheriff Berry; Professor Stewart, and Professor Ramsay. Mr. M'Vail asked that the Queen Margaret Committee's Minutes be read. He also asked whether the statement was

correct which appeared in the advertisement of Queen Margaret College to the effect that the Court have appointed Lecturers in that College whose classes are to count for graduation as if they were Professors' classes. Intimation was received of the induction by the Senate of Dr. Macewen as Professor of Surgery in the University. A letter was submitted from the Western Infirmary asking the Court to specify—in view of the present vacancy in the visiting staff—what they consider “reasonable facilities for Clinical Instruction.” In terms of the 7th Clause of the Disposition by the University to the Infirmary, dated 1878, the Court authorized Professor Macewen to conduct Clinical Instruction in the Western Infirmary. And in terms of Ordinance No. 14, Section VII. (6), appointed him to conduct courses of Clinical Surgery for the purpose of Graduation in Medicine. As in terms of the 7th Clause of the Disposition before mentioned, and 12th Article of the constitution of the Western Infirmary, the question of what is reasonable provision for Clinical Instruction falls to be determined by the Senate and the Managers, the Court sanctioned the appointment of the Principal and Professor Stewart to represent the views of the Senate on the subject at a conference with the Managers. In terms of Section VII. (5) of the same Ordinance (No. 14) the Court agreed to recognize every general Hospital in the United Kingdom which accommodates not fewer than 80 patients, and possesses a distinct staff of Physicians and Surgeons. Intimation was received of a donation by Miss Agnes Barr of Carphin, Cupar-Fife, of the sum of £2500, to endow or assist in endowing a Chair of Pathology in the University, the money to be paid over as soon as the terms of the endowment have been adjusted to the Court's satisfaction. The Court fixed the fees for the new and higher classes to be instituted under the new Ordinances in the various faculties at £3 3s. for each course. Mr. George A. Gibson, M.A., and Mr. Daniel Lamont, M.A., were appointed assistants to the Professor of Mathematics for the ensuing session.

**27th October, 1892.**—The Court met. Present—The Principal (in the chair); James Colquhoun; Hector C. Cameron, M.D.; Sir J. N. Cuthbertson; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B., and Professor Stewart. The Court approved of Professor Leishman during his illness availing himself of the services of Dr. Murdoch Cameron in conducting his class. On behalf of Queen Margaret College Committee there was submitted a report stating that arrangements had been made for the teaching of the classes in Queen Margaret College this winter. The report further bears that at a meeting with representatives of Queen Margaret College it had been arranged (1) that the Executive Council of Queen Margaret College should undertake the financial obligations of the session; (2) that application should be made by the Committee to a number of the Professors asking them to undertake the responsibility of the teaching of their respective subjects; (3) that lecturers should be appointed in the remaining curriculum subjects in Arts and Medicine; and (4) that in certain extra classes the Executive Council should be at liberty to continue the arrangements of last winter, and, accordingly, that the following Professors had undertaken the responsibility of the teaching of their respective subjects for the winter—viz., Professor Bradley, with the assistance of Mr. Egerton, the former lecturer; Professor Veitch, with



the assistance of Mr. R. M. Wenley; Professor Caird, with the assistance of Mr. R. A. Duff; and Professor Young, with the assistance of Mr. Rankin. The Court approved of the report, and appointed Mr. Egerton, Mr. Wenley, Mr. Duff, and Mr. Rankin as University assistants for this special work. They also appointed the following lecturers—viz., Latin and Greek, Mr. Alexander Murdoch; French Language and Literature, Mr. J. A. L. Kunz; German Language and Literature, Dr. Alexander Tille; Political Economy, Mr. William Smart; Mathematics, Mr. Peter Alexander; Natural Philosophy, Professor Blyth; Botany, Mr. A. S. Wilson; Anatomy, Dr. Thomas Bryce; Physiology, Dr. Macgregor Robertson; Materia Medica, Dr. Hawthorne; Pathology, Dr. J. Lindsay Steven; Surgery, Dr. Fleming; Practice of Medicine and Clinical Medicine, Dr. J. Wallace Anderson; Midwifery, Dr. Murdoch Cameron; and Chemistry, Mr. Alexander Johnstone, all for one year from the beginning of the academic session. The Court resolved to accept the London University Matriculation Examination as in lieu of the Preliminary Examination for this Session. Mr. Alexander Murdoch was appointed Assistant to the Professor of Greek; Mr. R. A. Duff, M.A., to the Professor of Moral Philosophy; and Mr. R. M. Wenley, M.A., to the Professor of Logic, all for the current academic year. Minute of meeting of the Works Committee of 26th inst., regarding electric lighting for the Surgery Classroom, the use of a room as engine-room for the Physical Laboratory, and other matters, was read and approved. Minute of Meeting of Finance Committee of 27th inst., regarding new investments on behalf of the University and renewal of investments and other matters, was read and approved. The Court empowered Professor Robertson to conduct a preliminary examination of any student who may come forward for Hebrew with the desire to count attendance on that class as qualifying for the Arts Degree. In reply to a letter received through the Foreign Office the Secretary was instructed to say that facilities will be given to any accredited person on behalf of the Belgian Government to collate the Manuscript Life of Lambert le Bègue in the Museum. Excerpt Minutes of Senate granting the privilege of special reader at the Library were submitted. The Court accepted from Mr. M. P. Fraser, writer, Glasgow, a framed relief of John Anderson, Professor of Natural Philosophy in the University in 1789, to be placed in the Hunterian Museum. This being the first ordinary meeting since the deaths of Professor Sir George Macleod and Professor Grant, the Court resolved to minute the expression of their grief and of their sense of the great loss that the University has sustained.

**8th November, 1892.**—The Court met. Present—The Principal (in the chair); Hector C. Cameron, M.D.; Sir John Neilson Cuthbertson; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Professor Stewart, and Professor Ramsay. In virtue of Ordinance No. 13, Sections IV. and VIII., the Court appointed the following to be members of the Joint Board of Examiners, to hold office till 31st January, 1894—viz., J. M'Cunn, M.A., University College, Liverpool, additional Examiner in English; A. M. Bell, M.A., Limpsfield, Rawlinson Road, Oxford, additional Examiner in Classics; and Professor Ramsay, Examiner in Modern Languages.

**17th November, 1892.**—The Court met. Present—The Principal (in the



chair); Lord Provost Bell; Sir James King, Bart; James Colquhoun; Hector C. Cameron, M.D.; Sir John Neilson Cuthbertson; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Sheriff Berry; Professor Stewart, and Professor Ramsay. The Court appointed Mr. Alexander Crum, of Thornliebank, and Professor Gairdner to be their representatives as Governors of Victoria Infirmary; and the Rev. J. W. King, M.A., and Professor Caird to be their representatives as Managers of the Western Infirmary—all for a year. The Principal and Professor Stewart reported that in terms of Minute of 7th October they had had a meeting with representatives of the Western Infirmary, with the result that the Managers agreed to make the same provision for Professor Macewen in the Western Infirmary that they now make for the Professor of Clinical Surgery. It was reported on behalf of the Committee appointed to meet with Dr. Muirhead's Trustees that the Meeting had taken place; that it appeared from the Statement of the Trustees that they were bound in any case under the late Dr. Muirhead's Settlement, to retain in their own hands the government of the Institution to be founded by the money left by him, and that no plan had been suggested regarding the proposed Muirhead Institute which it would be in the power of the Court to accept. A Minute of Meeting of Finance Committee of this day's date, regarding *inter alia* new investments for the University and authorizing payments of accounts, was approved. Dr. Joseph Coats was appointed Lecturer on Pathology for the ensuing year. Dr. Thomas Reid was appointed Waltonian Lecturer and Lecturer on the Eye for the ensuing year. The following appointments of assistants were made:—To the Professor of Humanity, Mr. John Brown, M.A., and Mr. Daniel Rankin, M.A., to the Professor of English Literature, Mr. Mortimer Wheeler, M.A., and Mr. Alexander B. Dobbie to be "Young Assistant"—all for the ensuing year. The Court approved of the appointment by Professor Buchanan of Dr. J. C. Renton as his private assistant. In reply to a letter from the Commissioners the Secretary was instructed to reply that the Court could not entertain the proposal that the Chair of Practical Astronomy should be abolished. The Court agreed to accept the Diplomas of certain American Naval Cadets in lieu of the Preliminary Examination in Science for this Session. The Librarian's Report for 1891-92 was submitted and remitted to Sir J. N. Cuthbertson and the Rev. J. W. King for examination and report. Excerpt Minutes of Senate granting the privilege of special reader at the Library were submitted.

**22nd December, 1892.**—The Court met. Present—The Principal (in the chair); Sir James King, Bart.; James Colquhoun; Sir J. N. Cuthbertson; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Professor Stewart, and Sheriff Berry. Intimation was received that the Senate had re-appointed Sheriff Berry as one of their Assessors in the Court for four years from 28th November last, and, Sheriff Berry being present, again took his seat as a member of the Court. The Court appointed Andrew Gray, M.A., Professor of Physics, University College of North Wales, as Additional Examiner in Mathematics in the University for three years from 1st January next. The Court appointed Dr. Yellowlees as Lecturer on Insanity in the University for the ensuing year. The

Secretary reported that he had received intimation from Mr. M'Cunn that with great regret he finds that his other duties will not allow him to remain a member of the Joint Board of Examiners, and in his place the Court appointed Dr. George Merry, Rector of the Dundee High School, as additional Examiner in English. The Court appointed Sir James King, Bart., as one of the Governors of the Highlands and Islands Educational Trust—in place of Sir J. N. Cuthbertson, retired—to hold office till 1st August, 1893. A Minute of Meeting of the Works Committee of date 15th December, 1892, was submitted and approved—bearing *inter alia* that a new boiler had been ordered in place of that used for heating the Bute Hall, and that the Committee has resolved to recommend to the Court (a) that a temporary apartment for operative Surgery should be erected, and (b) that a number of new fittings should be supplied for the Surgery class room, and dealing with other alterations in the Surgery Department, and with the ventilation of other class rooms. A sketch of a proposed path between the University grounds and the West End Park was submitted, and it was remitted to the Works Committee to communicate with the Town Council on the subject. A Minute of Meeting of the Finance Committee of date 21st December, 1892, was submitted and approved, bearing *inter alia* (1) with regard to an application on behalf of the General Council for payment of certain expenses incurred by a Deputation of the Council to London and Edinburgh in connection with certain of the new Draft Ordinances—which application had been remitted to the Committee—that the Committee consider that the sum requested should be granted, it being distinctly understood that the Court only in view of special circumstances make this concession, and that hereafter the Court, as Custodiers of the University Funds, will not defray such expenses to which their consent has not been previously obtained; (2) that certain tradesmen's accounts had been ordered for payment, and (3) that a lease of premises in Bath Street belonging to the University had been adjusted. Excerpt Minute of Senate granting the privilege of special reader at the Library was submitted. A letter from the Professor of Chemistry asking the Court to sanction a tutorial or preparatory class to be conducted in the University by the University Assistant in Chemistry, and to fix the fee, was remitted to a Committee to inquire and report. The Rev. J. W. King reported, on behalf of himself and Sir J. N. Cuthbertson, that he had examined the Librarian's Report for 1891-92, and gave an epitome of its contents. He noted that the thanks of the University were due to Lord Kelvin, Professor Max Müller, Lord Lothian, and others, for valuable donations of books. Six new Draft Ordinances on Finance and other matters received from the Commissioners were remitted to the Ordinance Committee for report.

**25th January, 1893.**—The Court met. Present—The Principal (in the chair); Sir James King, Bart.; Lord Provost Bell; James Colquhoun; Hector C. Cameron, M.D.; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Professor Stewart; Professor Ramsay, and Sheriff Berry. The Court had under consideration (1) letters from Dr. David Murray, Writer, Glasgow, regarding Draft Ordinance *re* Sale of Hunterian Coins; (2) a statement by Professor Young regarding the same; (3) a Report by the

Library and Museum Committee adopted by the Court on 30th April, 1891, and (4) a letter from the Town Clerk dated 24th January, 1893, with copy of a Memorial to the Commissioners, suggesting that the Coins should be committed to the custody of the Corporation. It was resolved that the Secretary should write to the Commissioners saying that after further consideration of the whole matter the Court are now of opinion that it would not be in the interest of the University that they should be empowered to dispose of the Hunterian Coins, and they, therefore, respectfully submit that no Ordinance for the object indicated in the Draft Ordinance should be issued by the Commissioners. It was resolved to ask the Senate forthwith to send up the Regulations for Examination for Graduation to be framed by them under Section XVI. of Ordinance No. 13 (Examinations). A Committee was appointed to consider whether arrangements can be made to get the aid of the Funds under the Muirhead Trust to further the medical education of women in the University, and for access for female students to the wards of the Victoria Hospital for Clinical instruction. Mr. J. H. Fullarton, M.A., D.Sc., Marine Laboratory, Dunbar, was appointed Assistant Examiner in Zoology in room of Mr. D'Arey Thomson from 1st January, 1893, to 31st December, 1894. Intimation having been received of the retirement of Mr. William Bathgate as one of the Examiners for the Preliminary Examination, the Court appointed in his place Mr. John W. Marshall, Professor of Classics in University College, Aberystwyth, at present Examiner in Classics for Degrees in Arts in this University. The Committee appointed to consider the letter of the Professor of Chemistry reported that, looking to the decision of the Court on a previous occasion, they recommended that the Court should authorize the opening of the class, but decline to sanction the charge of any fee. The report was adopted. A Minute of Meeting of Finance Committee, of 25th inst., was read and approved, regarding *inter alia* (1) a new Lease of Chipping Barnet lands; (2) re-arrangement of University Heritable Investments; (3) a proposed Sale in lieu of a Lease of the Bath Street property; (4) new Investments for the University and other matters. In terms of Section VI. of the Act of 1858, the Court approved of a Resolution by the General Council that in future its Statutory Meetings shall be held on the first Wednesday of April and last Wednesday of October. A letter dated 17th January, 1893, addressed by some of the lady students at Queen Margaret College to the Chairman of the Royal Infirmary on the subject of the "Perpetual Ticket" offered to them, was reported. Copies of various representations to the Commissioners regarding the new Draft Ordinances were received, and remitted to the Ordinance Committee.

**23rd February, 1893.**—The Court met. Present—The Principal (in the chair); Lord Provost Bell; H. C. Cameron, M.D.; the Rev. J. W. King, M.A.; D. C. McVail, M.B.; Professor Stewart; Professor Ramsay, and Sheriff Berry. The Secretary read a letter from the Clerk of the General Council, dated 21st January, 1893, forwarding a Report of the Business Committee, laid before the Council at their meeting in October last, containing a paragraph regarding the position then occupied by Queen Margaret College with regard to the University, and asking for information upon the subject. The Secretary was instructed to transmit to the General

Council a synopsis of the Court's minutes on the subject. The Secretary also submitted the terms of a letter from the Clerk of the General Council acknowledging payment of the sum of £47 odds, being the amount of the expenses of the Council's deputations to London and Edinburgh in connection with the new Ordinances. A resolution of the Students' Representative Council was submitted regarding the dates of diets of the examination for both departments of the B.D. degree. The Secretary was instructed to reply that the Court do not see any ground for them to interfere in the direction proposed. A further resolution of the Students' Representative Council was submitted regarding the dates of payment of Bursaries, and the Secretary was instructed to reply that in future a portion of the Bursaries would be paid immediately after Christmas. Other resolutions of the Students' Representative Council were remitted to the Works Committee. On the report of the Senate the Court agreed to recognize, for the purpose of graduation, the lectures of Mr. J. W. Carr, Nottingham, on Botany, and of Dr. James Blyth, of Anderson's College, Glasgow, on Physics. It was remitted to Professor Ramsay, Dr. Cameron, and the Secretary, to prepare a revised list of extramural teachers for publication in the Calendar. The Court considered the terms of Draft Ordinance No. 12 (Pensions), and resolved to recommend certain amendments thereon. Notice of the retirement of Mr. Buchanan, the Examiner in Physics, having been received, the Court appointed Mr. A. Gray, the present additional Examiner in Mathematics, in Mr. Buchanan's place. Arrangements for the teaching of the class in Physics during the next summer were approved. A Committee was appointed to meet the representatives of the Technical College upon the subject of Graduation in Science in the Department of Agriculture. The Court sanctioned certain new regulations made by the Senate regarding the Black Theological Fellowship. The Court appointed the Rev. John Maclean, D.D., St. Columba's Parish, as additional Examiner in Hebrew for this Session. The Secretary submitted a copy of the petition to the Court of Session by the trustees of the John Reid Prize Fund for leave to alter certain conditions of the Prize. It was resolved not to oppose the petition. Intimation was received of the induction of Professor Becker by the Senate as Professor of Astronomy. Excerpt Minutes of Senate granting the privilege of special reader at the Library were submitted.

**9th March, 1893.**—The Court met. Present—The Principal (in the chair); Lord Provost Bell; Sir James King, Bart.; James Colquhoun; Hector C. Cameron, M.D.; Sir J. N. Cuthbertson; the Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Professor Stewart; Professor Ramsay, and Sheriff Berry. A Report of the Ordinance Committee was received, and the Court considered the amendments suggested upon Draft Ordinance, Glasgow, Aberdeen, and Edinburgh No. 1, and made various alterations thereon.

**16th March, 1893.**—The Court met. Present—The Principal (in the chair); Sir James King, Bart.; James Colquhoun; Hector C. Cameron, M.D.; Sir John Neilson Cuthbertson; Rev. J. W. King, M.A.; D. C. M'Vail, M.B.; Professor Stewart; Professor Ramsay, and Sheriff Berry. The Court made the following appointments to Examinerships for Degrees in



Medicine—J. Duff, M.D., 35 White Friars, Chester, to be additional Examiner in Practice of Medicine; John Barlow, M.D., 8 Elmbank Crescent, to be additional Examiner in Surgery; D. Noel Paton, M.D., etc., The Laboratory, 7 Lauriston Lane, Edinburgh, to be additional Examiner in Physiology; and R. F. C. Leith, B.Sc., etc., 129 Warrender Park Road, Edinburgh, to be additional Examiner in Pathology; each of the appointments to be held till 31st December, 1896. The Court had again under consideration Draft Ordinance, Glasgow, Aberdeen, and Edinburgh No. 1. A Draft Memorandum of Heads of Agreement between the University and the Western Infirmary regarding the Draft Ordinance instituting a Chair of Pathology which had been framed after meetings between the Ordinance Committee and representatives of the Western Infirmary, was considered, and it was again remitted to the Ordinance Committee to revise the same, and, if necessary, again to meet representatives of the Western Infirmary and to associate representatives of the Senate with them therein. The Court had also under consideration the institution of a Summer Session in the Faculty of Arts, and the Secretary was instructed to write to the Clerk of Senate asking, under Ordinance No. 11, Section I. (2) the views of the Senate thereon.

**28th March, 1893.**—The Court met. Present—The Principal (in the chair); Lord Provost Bell; James Colquhoun; the Rev. J. W. King, M.A.; D. C. McVail, M.B.; Professor Stewart; Professor Ramsay, and Sheriff Berry. A Minute of Meeting of the Finance Committee of 10th March, dealing with various investments and proposed new investments, was read and approved. The Court had under consideration the extension of the present Union Buildings, and plans were submitted. Statements were also laid on the table showing the probable cost of the extension and the sum available in the hands of the Union. It was remitted to the Finance Committee to deal with the statements and grant authority. A report and proposed arrangements by the Senate for a Summer Session, embracing classes in Latin, Greek, and Mathematics, were approved. The Court finally revised their amendments upon the following Draft Ordinances of the Commissioners—viz., General No. 12 (Pensions); General No. 11 (Composition of the Faculties); Glasgow, Aberdeen, and Edinburgh No. 1 (Finance); Glasgow No. 3 (Chair of History); and Glasgow No. 5 (Pathology); and instructed the Secretary to send them in at once. The Court approved of the following Arts tutorial classes for the summer, and fixed the fees—viz., for students preparing for the Higher Grade Preliminary Examination, a class in Latin, to be taught by Mr. Daniel Rankin, B.A.; a class in Greek, to be taught by Mr. Alexander Murdoch; and a class in Mathematics, to be taught by Mr. George A. Gibson, M.A. Also the following classes for students studying for Honours—viz., Latin, Mr. John Brown, M.A.; Greek, Mr. R. M. Burrows, M.A.; and Mathematics, Mr. Gibson. For students proposing to enter next session the Senior Humanity Class, Mr. Rankin; the Senior Mathematical Class, Mr. Daniel Lamont; and the Middle or Senior Greek Class, Mr. Murdoch; and for students reading for the Degree—Latin, Mr. Rankin; and Greek, Mr. Murdoch. Excerpt Minutes of Senate, granting the privilege of special reader at the Library, were submitted.



**27th April, 1893.**—The Court met. Present—The Principal (in the chair); Sir James King, Bart.; James Colquhoun, LL.D.; Sir John Neilson Cuthbertson; Hector C. Cameron, M.D.; D. C. M'Vail, M.B.; Professor Stewart, and Professor Ramsay. A Committee was appointed to inquire what is being done in regard to the Diploma in Public Health, and to report. With special reference to Section VII. (10) of Ordinance No. 14 (Degrees in Medicine), it was resolved to represent to the Senate that it is desirable to institute a Course of Ophthalmology suitable to the needs of intending graduates who do not intend to become specialists in eye diseases. It was resolved to have the whole of the instruments at the Observatory specially examined and classified, with a view to seeing which are still sufficiently modern and in a state of repair fit for use. Works Committee's Minutes of 15th March and 25th April, dealing with the erection of a temporary building for the teaching of Operative Surgery, with repairs at the Observatory and on the University buildings, were read and approved. The Court reappointed Mr. Robert T. Younger, advocate, Edinburgh, as Lecturer in Constitutional Law for four years from 18th inst. Minutes of Meeting of the Finance Committee of 12th and 25th inst., approving of the proposed extension of the Union Buildings and dealing with the emoluments of Arts Professors for this year—the salaries of Assistants—the presentation and amounts of Bursaries, payment of Accounts, and other matters, were read and approved. A reply from the Town Council was reported regarding the proposed pathway imposing *inter alia* a condition that the gate must be kept open daily between sunrise and sunset, and the Secretary was instructed to reply, and to approach the Town Council again on the subject. The following additional summer tutorial classes were approved and the fees fixed: (1) a class in Dynamics, to be taught by Mr. Magnus Maclean, M.A.; and (2) a class in Electromagnetic Induction, by Mr. James Holms. The Report of the House Committee of Senate was received and approved. It was agreed to represent to the Commissioners to make the following alterations on the Arts Ordinances, viz.—To delete Section II. (9), and at the end of Section IV. (1) to add the words “provided always that any student who has passed in the higher standard of any subject in which there are two standards may attend a qualifying class in such subject or subjects without having passed in the other subjects of the examination,” and in Section III. (1), after the word “curriculum” to add the words (“subject to the proviso contained in Section IV. (1)”). It was further agreed to recommend to the Commissioners to make a change in connection with the Joint Board of Examination, with a view of securing to each University representation in every subject of the examination. On the Report of the Senate, the Court agreed to recognize for the purpose of graduation, the Lectures of Professor Poynting, Mason College, Birmingham, on Physics; of Professor Gray, of University College, Bangor, on Physics; and of Professor G. G. Henderson, of the Technical College, on Chemistry. A Report of the Committee on Academic Costume adopting generally the scheme of hoods proposed by the General Council was received and approved. A draft of the Deed of Gift of Queen Margaret College to the University was received, and remitted to the Committee for report.

**19th May, 1893.**—The Court met. Present—The Principal (in the

chair); Sir James King, Bart.; Hector C. Cameron, M.D.; Sir J. N. Cuthbertson; the Rev. J. W. King, M.A.; D. C. M-Vail, M.B.; Professor Stewart; Professor Ramsay, and Sheriff Berry. Messrs. William Craig Robertson, LL.B., writer; Robert T. Younger, LL.B., advocate, and W. Galbraith Miller, LL.B., advocate, were reappointed additional Examiners in Law for a period of three years from 29th April. A statement of the courses of study for Graduation in Arts made up by the Senate under Section VIII. of Ordinance No. 11, specifying the full courses and half courses, was submitted for the approval of the Court in terms of the Section, and gone over and approved. The Court fixed the fees of two half courses to be delivered by the Professor of Astronomy at £2 2s. for each half course if taken alone, and £3 3s. if both be taken as a whole course. Permission was granted to Dr. Tille to deliver courses of Lectures on German Literature during next Session. A Report of a Committee appointed to meet representatives of the Glasgow Technical College on the question of a Degree in Agricultural Science was received and approved, and the Secretary was instructed to communicate with the Technical College, with a view of getting the Committee's suggestion carried out. A Report of the Committee *re* Queen Margaret College was received, and the Draft Deed of Gift of Queen Margaret College was approved. A Minute of Meeting of Finance Committee of 9th May, proposing a scheme for payment of Examiners for the Preliminary Examination and dealing with new investments, was approved. Certain Regulations for Examinations in Medicine, drawn up by the Senate for the approval of the Court, were again remitted to the Senate for fuller details. Leave of absence, on the ground of ill-health, was granted to Dr. Naismith, the additional Examiner in Medical Jurisprudence, and leave for him to ask Dr. Brunton, of London, who previously held the position, to act as his substitute at the July Examination. Dr. Murdoch Cameron was appointed to take part in the approaching Examinations in Medicine in place of Professor Leishman, who is in ill-health.

# *XIV.—FINANCIAL STATEMENT OF THE UNIVERSITY FOR THE YEAR 1891-92.*

ANNUAL SALARIES (EXCLUSIVE OF CLASS FEES) ATTACHED TO OFFICE OF PRINCIPAL, AND TO THE PROFESSORSHIPS, ASSISTANTSHIPS, LECTURESHIPS, AND EXAMINERSHIPS IN THE UNIVERSITY, BY ORDINANCE OF THE UNIVERSITIES COMMISSIONERS AND DEEDS OF FOUNDATION; AND ANNUAL PENSIONS TO RETIRED PROFESSORS.

## PRINCIPAL.

Salary, . . . . . £979 15 1

## FACULTY OF ARTS.

	Salaries of Professors.	Salaries of Assistants.	Allowances for Class Expenses.
Logic, . . . . .	£286 11 2	.....	.....
Moral Philosophy, . . . . .	281 2 2	.....	.....
Natural Philosophy, . . . . .	299 6 8	£235 0 0	£100 0 0
Greek, . . . . .	289 8 11	100 0 0	.....
Humanity, . . . . .	289 8 11	100 0 0	.....
Mathematics, . . . . .	292 0 0	100 0 0	.....
Astronomy, . . . . .	300 12 1	.....	.....
Civil Engineering, . . . . .	468 12 0	147 0 0	.....
English Literature, . . . . .	200 0 0	.....	.....
Naval Architecture, . . . . .	396 9 10	.....	.....
	<hr/> £3,103 11 9	<hr/> £682 0 0	<hr/> £100 0 0

## FACULTY OF THEOLOGY.

Divinity, . . . . .	£401 13 1	.....	.....
Oriental Languages, . . . . .	299 19 11	.....	.....
Ecclesiastical History, . . . . .	334 11 10	.....	.....
Biblical Criticism, . . . . .	482 8 4	.....	.....
	<hr/> £1,518 13 2		

## FACULTY OF LAW.

	Salaries of Professors.	Salaries of Assistants.	Allowances for Class Expenses.
Law, . . . . .	£310 0 0	.....	.....
Conveyancing, . . . . .	105 0 0	.....	.....
	<hr/> £415 0 0		

## FACULTY OF MEDICINE.

Medicine, . . . . .	£270 0 0	.....	.....
Anatomy, . . . . .	250 0 0	.....	£200 0 0
Natural History, . . . . .	210 4 1	£89 12 6	.....
Surgery, . . . . .	100 0 0	.....	.....
Midwifery, . . . . .	100 0 0	.....	.....
Chemistry, . . . . .	200 0 0	200 0 0	70 0 0
Botany, . . . . .	210 4 1	.....	.....
Materia Medica, . . . . .	100 0 0	25 0 0	50 0 0
Institutes of Medicine, . . . . .	150 0 0	106 2 6	.....
Forensic Medicine, . . . . .	100 0 0	25 0 0	35 0 0
Clinical Surgery, . . . . .	112 11 6	.....	.....
Clinical Medicine, . . . . .	112 11 6	.....	.....
	<hr/> £1,915 11 2	<hr/> £445 15 0	<hr/> £355 0 0

## LECTURERS.

Waltonian, . . . . .	£93 0 9
Gifford, . . . . .	554 2 11
Honyman-Gillespie, . . . . .	200 0 0
	<hr/> £847 3 8

## EXAMINERS FOR DEGREES, &amp;c.

Three in Arts, . . . . .	£235 15 3
Twelve in Medicine, . . . . .	496 5 0
Three in Law, . . . . .	63 0 0
Three Additional Examiners in Arts, . . . . .	90 0 0
Two Entrance Examiners, . . . . .	30 0 0
	<hr/> £915 0 3

## PENSIONS.

Five Retired Professors, . . . . .	£2,989 16 9
------------------------------------	-------------

## SUMMARY.

The Principal,	.	.	.	.	.	.	.	£979	15	1
Arts Chairs,	.	.	.	.	.	.	.	3,103	11	9
„ Assistants,	.	.	.	.	.	.	.	682	0	0
„ Class Expenses,	.	.	.	.	.	.	.	100	0	0
Divinity Chairs,	.	.	.	.	.	.	.	1,518	13	2
Law Chairs,	.	.	.	.	.	.	.	415	0	0
Medical Chairs,	.	.	.	.	.	.	.	1,915	11	2
„ Assistants,	.	.	.	.	.	.	.	445	15	0
„ Class Expenses,	.	.	.	.	.	.	.	355	0	0
Lecturers,	.	.	.	.	.	.	.	847	3	8
Examiners in Arts, Medicine, and Law,	.	.	.	.	.	.	.	915	0	3
Retired Professors,	.	.	.	.	.	.	.	2,989	16	9
									£14,267	6 10

NOTE.—To the Principalship and each of the Chairs founded before 1800 an official residence is attached, and also some small allowances for Taxes, Lighting, House Repairs, etc., amounting in all to about £18.

## STATEMENT OF THE INCOME AND EXPENDITURE OF THE UNIVERSITY FOR THE YEAR 1891-92.

The College Revenue is derived—(a) From Teinds—arising from grants—by James, Archbishop of Glasgow, in 1557; by James VI., in 1577 and 1618; by Charles I., in 1630; by Charles II., in 1664 and 1670. (b) From Feu-Duties, etc., of lands granted by James, Lord Hamilton, in 1459; William and Thomas Arthurlie, 1466; Queen Mary, 1563; of the lands, etc., of the Friars Preachers, granted by Queen Mary in 1566 to the Town for pious uses, and conveyed by the Town, under Act of Scottish Parliament in 1572, to the College; and from other ancient foundations. (c) From proceeds of investments of the surplus rents of the Archbishoprick of Glasgow, from 1694 to 1839. The lease of the Archbishoprick was granted first by William III., in 1690, for nineteen years, for payment of the then debts of the University, and other University purposes. The lease was renewed by successive sovereigns till 1825, when £100 per annum from the Archbishoprick was added to the salary of the Regius Professor of Botany; and £800 per annum was granted for general University purposes till 1839. In 1841 the Crown applied the £800 per annum to salaries for certain chairs in the patronage of the Crown. (d) From proceeds of investments from time to time of the annual surplus of income over expenditure.

The gross revenue derived from these sources amounted in 1891-92 to £9,573 16s. 1 $\frac{3}{4}$ d. But out of this were paid Ministers' Stipends (£1,864 8s. 6d.), Income and Property Tax (£173 12s. 7 $\frac{3}{4}$ d.), Bursaries (£133 2s. 3d.), leaving nett income £7,402 12s. 9d., of which £3,698 15s. 2d. has been allocated at various times from 1577 to 1817 to salaries of Principal and Professors, and the balance of £3,703 17s. 7d., together with a surplus of £4 4s. 9d. from the Treasury Grant, making in all £3,708 2s. 4d., is transferred (under Ordinance 22) to the General University Fund as stated below.



INCOME OF THE UNIVERSITY DESTINED BY DEED,  
STATUTE, OR ORDINANCE.

## I. For Salaries of Principal, Professors, and Lecturers :—

(1.) Teinds and Endowments under Charters of James VI., Charles I., and Charles II., etc., as stated above, . . .	£3,698 15 2	
(2.) Treasury Grant, . . . . .	2,768 6 4	
(3.) From Deanery of Chapel Royal (Chair of Bib. Crit.), . . .	335 8 4	
(4.) Foundation of Conveyancing Chair, paid yearly by Faculty of Procurators, . . .	105 0 0	
(5.) Yates (Shuna) Fund, . . . . .	0 0 0	
(6.) M'Turk's Foundation, . . . . .	11 16 3	
(7.) John Elder Foundations, . . . . .	590 1 10	
(8.) A recent Foundation, . . . . .	51 0 3	
(9.) Foundation of Clinical Sur- gery Chair, . . . . .	112 11 6	
(10.) Foundation of Clinical Medi- cine Chair, . . . . .	112 11 6	
(11.) The Black Bequest (Chair of Biblical Criticism), . . . . .	*147 0 0	
(12.) Waltonian Lectureship, . . . . .	93 0 9	
(13.) Gifford Lectureship, . . . . .	554 2 11	
(14.) Honyman-Gillespie Lectureship, . . . . .	200 0 0	
		£8,779 14 10

## II. For Class Assistants and Class Expenses :—

(1.) From General University Fund for the Chairs of Natural Philosophy, Anatomy, Che- mistry, Materia Medica, and Forensic Medicine, under Ordinance 22, . . . . .	£455 0 0	
(2.) From Parliamentary Grant for Class Assistants, under Ordinance 22, . . . . .	650 0 0	
(3.) From the Black Bequest for the "Young" Assistant, . . . . .	147 0 0	
(4.) From the Arnott and Thomson Demonstratorship Fund, . . . . .	135 0 0	
(5.) From the Muirhead Demon- stratorship Fund, . . . . .	106 2 6	
(6.) From the Baxter Demonstra- torship Fund, . . . . .	89 12 6	
		1,582 15 0
Carry forward, . . . . .		£10,362 9 10

\* Exclusive of Income Tax.

Brought forward, . . . . .	£10,362	9	10
III. For Non-Professorial Examiners :—			
(1.) From Parliamentary Grants, under Ordinances 14 and 15,	£475	15	3
(2.) From General University Fund, . . . . .	394	5	0
(3.) From Foundations, . . . . .	45	0	0
		915	0 3
IV. For Retired Professors :—			
From Parliamentary Grant, under Ordinance 26,	2,989	16	9
Total Income destined to Maintenance of Teaching Staff, as above, . . . . .	£14,267	6	10
Total Disposable Income (£11,532 13s. 0d.) as below, less £455 for Class Assistants and Class Expenses charged below against General University Fund, .		11,077	13 0
Total University Income, . . . . .	£25,344	19	10

# INCOME AND EXPENDITURE OF GENERAL UNIVERSITY FUND, 1891-92.

## INCOME.

1. Balance of Revenue from Teinds, etc., under Charters of James VI. and Charles I., and Capitalized Sav- ings, as stated p. 460, . . . . .	£3,708	2	4
2. Matriculation Fees, . . . . .	2,041	5	0
3. Graduation and Examination Fees, . . . . .	3,896	3	6
4. Library Subscriptions, . . . . .	69	16	6
5. General Council Registration Fees, . . . . .	210	0	0
6. Compensation for Stationers' Hall Privilege, . . . . .	707	0	0
7. Do. Portion of Grant unexpended last year, . . . . .	329	5	2
8. Income of Legacies for Library, etc., . . . . .	64	0	6
9. Students' Catalogue, . . . . .	7	0	0
10. Treasury Grant for Maintenance of Buildings, . . . . .	500	0	0
	£11,532	13	0

## EXPENDITURE.

### 1. *University Court and Senate—*

1. Secretary to the University Court, and Outlays, . . . . .	£233	3	4
2. Clerk of Senate, . . . . .	105	0	0
3. Assistant Clerks and Outlays, . . . . .	349	3	4
		£687	6 8
Carry forward, . . . . .		£687	6 8

Brought forward, . . . . .		£687	6	8
II. <i>General Council</i> —				
1. Registration, etc., . . . . .	111	7	0	
2. Election of Assessors, . . . . .	123	7	6	
3. Printing and Outlays per Clerk, . . . . .	355	19	9	
				590 14 3
III. <i>Business, etc.</i> —				
1. Factor's Salary and Outlays, . . . . .	£475	8	2	
2. Auditor, . . . . .	21	0	0	
				496 8 2
IV. <i>Libraries</i> —				
1. Librarians' Salaries, . . . . .	£692	4	0	
2. To Account of New Catalogue, . . . . .	26	5	0	
3. Books and Binding (including a balance still to expend), . . . . .	1,230	5	8	
4. Stationery, etc., . . . . .	5	14	8	
5. Divinity Hall Library, . . . . .	42	13	0	
6. Incidental Expenses, . . . . .	5	0	0	
				2,002 2 4
V. <i>Hunterian Museum</i> , . . . . .				308 0 0
VI. <i>Observatory</i> , . . . . .				233 8 9
VII. <i>Buildings</i> —				
1. Repairs, . . . . .	£862	8	3	
2. Lighting, . . . . .	258	17	6	
3. Heating and Ventilating, . . . . .	869	8	3	
4. Water, . . . . .	97	16	8	
5. Insurance, . . . . .	222	7	3	
				2,310 17 11
VIII. <i>Service, Cleaning, and Maintenance of Grounds</i> , . . . . .				1,132 3 5
IX. <i>Class Assistants and Class Expenses</i> —				
1. Allocated by Commissioners' Ordinance, . . . . .	£455	0	0	
2. Allowed in other Classes, . . . . .	88	7	7	
	£543	7	7	
Not expended, . . . . .	0	0	10	
				543 6 9
X. <i>Printing and Advertising</i> —				
1. Printer's Accounts, . . . . .	£341	8	11	
2. Newspaper Accounts, . . . . .	205	1	0	
3. Examination Books, etc., . . . . .	103	6	0	
				649 15 11
XI. <i>Prizes and Medals</i> , . . . . .				188 13 2
XII. <i>Compensation for Graduation Fees under Commissioners' Ordinance</i> , . . . . .				
				50 0 0
XIII. <i>Gratuities</i> , . . . . .				46 0 0
XIV. <i>Contribution to Glasgow Police</i> , . . . . .				21 0 0
XV. <i>Public Burdens, etc.</i> , . . . . .				407 8 4
XVI. <i>Law Examiners</i> , . . . . .				63 0 0
Carry forward, . . . . .	£9,730	5	8	

Brought forward, . . . . .	£9,730	5	8
XVII. <i>Medical Examiners</i> , . . . . .	256	5	0
XVIII. <i>Extra Examiners</i> (Share), . . . . .	45	0	0
XIX. <i>Entrance Examiners</i> , . . . . .	30	0	0
XX. <i>Expenses connected with Examinations</i> , . . . . .	42	3	9
XXI. <i>Interest on Loan from late Mr. Randolph's Trust</i> , . . . . .	877	10	0
XXII. <i>Chapel</i> , . . . . .	96	0	4½
XXIII. <i>Installation of Rector</i> , . . . . .	74	5	11
XXIV. <i>Miscellaneous</i> , . . . . .	62	0	1
Total General Fund Expenditure, . . . . .	£11,213	10	9½
Surplus, . . . . .	319	2	2½
Together, equal to Income, . . . . .	£11,532	13	0

INCOME OF TRUST FUNDS FOR BURSARIES, SCHOLARSHIPS,  
AND PRIZES.

1. From Capital Funds in charge of the University, . . . . .	£7,487	1	4
2. From Estate managed by Balliol College, Oxford— 5 Exhibitions, at £80, . . . . .	400	0	0
3. From Funds in the hands of the Town Council, Merchants' House, and Trustees, about . . . . .	5,670	0	0
	£13,557	1	4

CLASS FEES.

FACULTY OF ARTS.

Logic and Rhetoric, . . . . .	£725	14	6
Moral Philosophy, . . . . .	628	19	6
Natural Philosophy, . . . . .	1,096	4	0
Greek, . . . . .	969	18	0
Humanity, . . . . .	1,077	19	6
Mathematics, . . . . .	1,263	3	0
Practical Astronomy, . . . . .	13	13	0
Civil Engineering and Mechanics, . . . . .	375	18	0
English Language and Literature, . . . . .	607	15	0
Naval Architecture, . . . . .	254	2	0

FACULTY OF DIVINITY.

Divinity, . . . . .	£248	17	0
Oriental Languages, . . . . .	217	7	0
Ecclesiastical History, . . . . .	176	5	0
Divinity and Biblical Criticism, . . . . .	163	16	0

## FACULTY OF LAW.

Roman Law and Law of Scotland, . . . . .	£518	14	0
Conveyancing, . . . . .	336	0	0
Constitutional Law and History, . . . . .	97	13	0

## FACULTY OF MEDICINE.

Practice of Medicine, . . . . .	£504	10	8
Anatomy, . . . . .	1,715	0	0
Natural History, . . . . .	711	2	0
Surgery, . . . . .	1,417	14	9
Midwifery, . . . . .	603	15	0
Chemistry, . . . . .	1,383	15	0
Botany, . . . . .	732	18	0
Materia Medica, . . . . .	824	0	0
Physiology, . . . . .	906	6	0
Forensic Medicine, . . . . .	432	12	0
Clinical Surgery, . . . . .	170	11	3
Clinical Medicine, . . . . .	537	10	1
Lectures on the Eye, . . . . .	39	18	0
Insanity, . . . . .	35	14	0
Pathology, . . . . .	637	8	0



## APPENDIX—I.

## LIST OF MEMBERS

INCLUDED IN

THE REGISTER

OF

## THE GENERAL COUNCIL

FOR THE YEAR COMMENCING 1st JANUARY, 1893,

WITH ABBREVIATED ADDRESSES, ETC.

*N.B.*—So far as information has been available down to the time of publishing the Calendar, addresses, etc., have been corrected, and names of deceased Members removed. Members are requested to intimate to the Registrar any change of designation (i. profession or calling), or of permanent address. Representatives of deceased Members are also requested to make intimation, in order that the names of such Members may be removed.

- Abercrombie, Peter H., M.B., Meiklerigg, Paisley  
 Abercromby, R., M.A., minister, Norwich  
 Acworth, W., M.A., minister, South Stoke  
 Adam, Alex., M.B., Glasgow  
 Adam, Basil J., M.B., 3 W. Garden st., Glasgow  
 Adam, David S., B.D., minister, F.C. Manse, Kelso  
 Adam, Hector M., M.A., minister, Aberdeen  
 Adam, Jas., M.A., teacher, Glasgow  
 Adam, James, M.A., M.B., Hamilton  
 Adam, James A., M.A., student, Glasgow  
 Adam, John, M.B., 13 George street, Paisley  
 Adam, John, M.B., 2 Knowe ter., Pollokshields  
 Adam, John W., M.B., Stepps rd., near Glasgow  
 Adam, Peter, B.D., prob., 39 Bank st., Greenock  
 Adam, Robert H., M.A., M.B., Paisley  
 Adam, Thomas, M.A., student, Cumbernauld  
 Adam, Thomas B., M.D., 37 Church st., Brechin  
 Adam, William, M.A., teacher, Glasgow  
 Adam, William John, M.B., Hillhead, Glasgow  
 Adam, William T., M.B., Workington  
 Adams, James A., M.D., 5 Woodside cr., Glasgow  
 Adams, John, M.A., B.Sc., teacher, Aberdeen  
 Adams, J., B.D., prob., Holburn st., Aberdeen  
 Adams, John, M.B., 8 Melrose street, Glasgow  
 Adams, John E., B.D., assistant minister, Leith  
 Adams, William S., M.D., Jersey  
 Adamson, James, M.D., Hetton-le-Hole  
 Adamson, James, M.A., student, Kinloss  
 Adamson, J. G., M.D., Lurgan, Armagh  
 Adamson, W. F., M.A., minister, Galashiels  
 Addie, John, M.A., minister, Perth  
 Affleck, John, M.A., D.Sc., Inspector of Chemical Works, Woolton  
 Agnew, Alex., M.A., tch., 2 Glasgow st., Hillhead  
 Agnew, Alex. P., M.B., Burnley, Lancashire  
 Agnew, J. M., minister, Longhope, Orkney  
 Agnew, Rbt. R., M.A., tch., 11 Hopetoun pl., Glas.  
 Aiken, Jas., M.A., stud., 5 Glenavon ter., Partick  
 Aiken, James, M.A., writer, Dalmoak  
 Aiken, J. B., M.A., writer, Dalmoak  
 Aikman, Charles Brown, writer, Glasgow  
 Aikman, Chas. M., M.A., B.Sc., chemist, Glasgo  
 Aikman, John, M.D., Guernsey  
 Aird, Alex. W., M.B., Newmilns  
 Aird, Hugh, M.A., D.D., minister, Brechin  
 Aird, Robert, M.A., tch., Lochend, Campbeltov  
 Aitken, David, M.A., teacher, Paisley  
 Aitken, Jas., M.A., stud., 15 Glasgow st., Hillhea  
 Aitken, James, M.B., 39 Gibson street, Hillhea  
 Aitken, James, M.B., 12 Dalhousie st., Glasgow  
 Aitken, Jas. A., M.B., 29 S. Cumberland st., Gla  
 Aitken, James R., M.A., stu., Morag, Pitlochri  
 Aitken, John, M.D., Buckhaven  
 Aitken, P. H., M.A., B.Sc., B.D., min., London  
 Aitken, R., B.L., writer, Edinburgh  
 Aitken, Robert Easton, C.A., Glasgow  
 Aitken, W. B., M.B., Carsehead, Dalry  
 Aiton, Thomas, B.A., minister, Livingston  
 Aiton, W., B.L., law agt., 115 St. Vincent st., Gla  
 Alexander, Andrew, M.A., surgeon, London, E.  
 Alexander, Arch., M.A., min., Spittal, Berwick  
 Alexander, Arch. B. D., M.A., min., Langbank  
 Alexander, Archibald S., M.D., Plymouth  
 Alexander, Charles A., M.B., Denny  
 Alexander, D. R., B.D., prob., Clarkfield, Partic  
 Alexander, Jas., M.B., Waterside house, Fenwic  
 Alexander, John, M.A., minister, Partick  
 Alexander, John, M.A., minister, Pitcairn, Pert  
 Alexander, J. B., M.A., min., Hawaiian Islands  
 Alexander, Peter, M.A., teacher, Glasgow  
 Alexander, Robert, minister, Dunfermline  
 Alexander, R., M.A., teacher, Glasgow  
 Alexander, Samuel, M.D., Larkhall  
 Alexander, Samuel P., M.D., Glasgow  
 Alexander, T. G., M.B., Glasgow  
 Alexander, Walter, M.A., student, Millerston  
 Alexander, W. H. M., M.B., Dunvair, Bargeddi  
 Alexander, William, M.D., Dundonald  
 Alexander, W. M., B.Sc., B.D., M.D., Bombay  
 Alison, Sir A., Bart., LL.D., K.C.B., lt.-gen., Londo

- Alison, Archibald, minister, Prestwick  
 Alison, Arthur, advocate, Edinburgh  
 Alison, George, minister, Kilbarchan  
 Alison, J., M.A., D.D., min., Newington, Edinburgh  
 Alison, Samuel S., M.A., minister, Belfast  
 Allan, Arthur, M.A., student, Manse, Fairlie  
 Allan, C., M.A., min., E. Bank U.P. Manse, Hawick  
 Allan, Geo. F., LL.B., writer, Hillhead  
 Allan, George R., B.A., M.D., Glasgow  
 Allan, Henry, M.A., student, Glasgow  
 Allan, Jas., M.A., tch., 12 George st., Helensburgh  
 Allan, James Paul, M.D., Renfrew  
 Allan, James W., M.B., Belvidere Hosp., Glasgow  
 Allan, John, M.D., Klerksdorp, Transvaal  
 Allan, J., M.A., surveyor of taxes, Hamilton  
 Allan, Robert, M.B., Ardrossan  
 Allan, William, M.B., Langlands House, Govan  
 Allan, William, M.A., student, Glasgow  
 Allan, Wm., B.Sc., C.E., Elderslie ho., Strathaven  
 Allan, W., M.B., Crumlington, Northumberland  
 Allan, W. C., M.B., Klerksdorp, Transvaal  
 Allan, William C., M.A., student, Minuntion, Barr  
 Allardice, John, M.A., teacher, Lerwick  
 Allardice, Wm. C., M.B., 21 Sandyford pl., Glasgow  
 Allardyce, John M., M.A., missionary, Pekin  
 Allen, Charles, M.A., minister, Convoy  
 Allen, William B., M.B., Glasgow  
 Allen, William E.L., M.B., Hawkshead, Ambleside  
 Allison, Alexander, M.D., Loanhead  
 Allison, James, minister, Alexandria  
 Allison, John Dunn, LL.B., stud., Cartvale, Paisley  
 Almond, H. H., LL.D., N. Esk Lodge, Musselburgh  
 Alpine, George, B.D., minister, Dumbarton  
 Alston, Andrew, minister, Carluke  
 Alston, And., LL.B., law clerk, U.P. Manse, Carluke  
 Alston, James M., M.D., Airdrie  
 Anderson, A., M.A., minister, Carlisle  
 Anderson, Alexander M., M.D., Dundee  
 Anderson, A. R., M.A., teacher, Edinburgh  
 Anderson, David, minister, Ceres, Fife  
 Anderson, F., M.A., professor, Sydney, N.S.W.  
 Anderson, G., M.B., Stockton-on-Tees  
 Anderson, George, minister, New Cumnock  
 Anderson, G., B.D., min., 264 Renfrew st., Glas.  
 Anderson, H. C., M.B., 17 Octavia cott., Greenock  
 Anderson, Henry, minister, Partick  
 Anderson, H., M.B., Billinge, Wigan  
 Anderson, H. S., M.A., student, Kilmaurs  
 Anderson, James, M.A., teacher, Annan  
 Anderson, Jas., M.B., Poulton-le-Fylde, Lancashire  
 Anderson, J. F., M.A., writer, Glasgow  
 Anderson, James H., manufacturer, London  
 Anderson, James Rae, M.D., Canonbie  
 Anderson, J. Wallace, M.D., Glasgow  
 Anderson, John, B.D., minister, Lerwick  
 Anderson, J., B.D., minister, Kelvinside  
 Anderson, John, M.D., London, S.E.  
 Anderson, John, M.A., stud., 111 Finlay dr., Glas.  
 Anderson, John A., M.D., Stranraer  
 Anderson, J. B. M., M.A., M.B., Glasgow  
 Anderson, J. W., M.A., M.B., Barrow-in-Furness  
 Anderson, Jonathan, writer, Glasgow  
 Anderson, M. S., M.A., M.B., Kilbirnie  
 Anderson, Robert, M.B., Busby  
 Anderson, Robert, D.D., minister, Glasgow  
 Anderson, Robert, minister, Kilsyth  
 Anderson, Robt. C., M.A., stud., New Kilpatrick  
 Anderson, Robert H., manufacturer, London  
 Anderson, R. S. G., B.D., prob., Ontario  
 Anderson, Thomas A., writer, Glasgow  
 Anderson, T. McCall, M.D., professor, Glasgow  
 Anderson, Thos. P., M.B., 17 Hamilton ter., Partick  
 Anderson, William, LL.B., writer, Glasgow  
 Anderson, William, minister, Fettercairn  
 Anderson, William, J. P., Edinburgh  
 Anderson, William, minister, Boyndie, Banff  
 Anderson, William, minister, Cults  
 Anderson, Wm., M.B., Bedford ho., Pollokshields  
 Anderson, W. H., M.B., Harleston, Suffolk  
 Anderson, William S., M.D., Chapel-en-le-Frith  
 Andrew, Alexander, M.B., Barrow-on-Humber  
 Andrew, Alexander, M.A., student, Paisley  
 Andrew, Alexander, minister, Glasgow  
 Andrew, Jas. G., M.B., 6 Walmer cres., Glasgow  
 Andrew, Robert, M.A., minister, Walls, Lerwick  
 Andrew, R., M.A., B.D., minister, Glengarnock  
 Andrew, W. S., M.A., student, Bo'ness  
 Angus, Robert, missionary, Chryston  
 Annan, Archibald J., B.L., writer, Glasgow  
 Appleton, Henry, M.D., 22 Seymour st., London, W  
 Arbuckle, John H., M.D., Kilmarnock  
 Armour, Matthew, minister, Sanday  
 Armstrong, G. C., M.D., Blackrock, Dublin  
 Armstrong, H., B.D., prob., London rd., Glasgow  
 Armstrong, W. A. A., M.A., minister, Reading  
 Arnot, Thomas, writer, Glasgow  
 Arnott, Hugh Y., B.D., prob., Kinloch, Blairgowrie  
 Arnott, James, M.D., surgeon-major, London  
 Arnott, John, M.A., student, Peel, Kirkintilloch  
 Arrol, C., M.D., Bankstown, Sheerness  
 Arthur, Adam Niven, teacher, Dunoon  
 Arthur, David, minister, Aberdeen  
 Arthur, David, M.B., New Galloway  
 Arthur, D. F., minister, Banchory-Devenick  
 Arthur, Hugh, M.B., Airdrie  
 Arthur, James, minister, Springburn  
 Arthur, James, M.A., teacher, Largs  
 Arthur, John Findlay, M.D., New Cumnock  
 Arthur, W., M.D., Mirfield, Yorkshire  
 Ashcroft, F., M.A., missionary, Kelvinside  
 Ashurst, Fred., M.B., 43 Market st., Blackpool  
 Aspin, And. H., M.A., clerk, 1 Crown ter., Dowanhill  
 Atkinson, J. P., M.D., Saffron Walden  
 Auld, A. G., M.D., 3 Lugar place, Kelvinside  
 Auld, Archibald, M.B., Snaith, Yorks  
 Auld, Charles, M.D., Kilwinning  
 Auld, William, B.D., minister, Carnock  
 Auld, William, M.B., Myrtle Park, Crosshill  
 Austin, R., M.D., Ranelagh, Dublin  
 Babes, Charles J., M.B., 6 Carrick street, Glasgow  
 Babbie, William, M.B., Dumbarton  
 Badenoch, Geo. Roy, LL.D., minister, Lee, Kent  
 Bailey, William E., M.B., Stockport  
 Baillie, David, M.A., stu., 5 Walworth ter., Glasgow  
 Bain, Archibald W., M.A., teacher, Smyrna  
 Bain, James, minister, Glasgow  
 Bain, James A., M.A., student, Glasgow  
 Bain, James G., M.B., Arnwood, Southsea,  
 Portsmouth  
 Bain, Joseph, Record editor, London, S.W.  
 Bain, Robert, M.A., student, Glasgow  
 Bain, R. W. K., M.A., advocate, Aberdeen  
 Bainbridge, W. P. Y., M.B., Droitwich  
 Baird, And., B.D., minister, Broughton, Peebles  
 Baird, David, M.A., stud., Shewalton ter., Irvine

- Baird, Hugh, minister, Cumbernauld  
 Baird, Jas. P., M.A., stu., 3 Regent st., Hamilton  
 Baird, John, B.D., minister, Helensburgh  
 Baird, John, M.B., Hillhead, Glasgow  
 Baird, John, M.B., Bonnybridge  
 Baird, Robert, writer, London  
 Baird, Samuel J., M.B., Londonderry  
 Baird, William James, M.D., North Shields  
 Balbirnie, John, M.A., M.D., Plumtree, Notts  
 Balderston, J. C., minister, West Kilbride  
 Balfour, A. J., LL.D., M.P., 4 Carlton gar., Lon., S.W.  
 Balfour, David D., sheriff-substitute, Glasgow  
 Ballantine, James, M.D., Catrine  
 Ballantyne, James T., M.B., Over Darwen  
 Ballantyne, William, minister, London  
 Ballardie, S. W., M.A., stu., 40 Kenmure st., P'shields  
 Balloch, Robert, merchant, Glasgow  
 Bamber, H., M.B., 28 Washington ter., N. Shields  
 Bankhead, W. T., M.A., minister, Ibrox  
 Bankier, Alex. M., M.D., Wolverhampton  
 Bankier, G. S. H., M.D., Ashton-under-Lyne  
 Bankier, P. M., M.A., student, Canada  
 Banks, Alex., M.A., minister, Carnwath  
 Banks, Chas., M.B., Priorscroft house, Paisley  
 Banks, John, M.B., Dunoon  
 Banks, Robert, M.B., Belford, Northumberland  
 Bannatyne, A., M.A., minister, Lochgilphead  
 Bannatyne, Chas., M.B., Glaisnock st., Old Cumnock  
 Bannatyne, D. J., writer, New Jersey  
 Bannatyne, Gilbert A., M.D., 1 Paragon, Bath  
 Bannatyne, John, minister, Takaka, N.Z.  
 Bannatyne, Mark, writer, Glasgow  
 Bannerman, C., M.A., student, Langside  
 Bannerman, G. G., M.B., Hawick  
 Banner, Wm., M.A., of Tererran, Moniaive  
 Barbour, James M., M.B., London  
 Barbour, Wm., M.B., 32 Hayburn cres., Partick  
 Barclay, James, LL.B., Glasgow  
 Barclay, James, M.A., D.D., minister, Montreal  
 Barclay, J., M.A., D.D., minister, Toronto  
 Barclay, Robt. D., B.Sc., mech. eng., Edinburgh  
 Barclay, Robt. F., LL.B., stud., 21 Park ter., Glas.  
 Barclay, Thomas, M.A., minister, Glasgow  
 Barclay, T., M.A., advocate, Edinburgh  
 Barker, Alex. E., LL.B., barrister, London  
 Barker, Francis J., M.A., stu., 1 Bowmonter, K'side  
 Barker, H. M., LL.D., teacher, Glasgow  
 Barlas, Alex. R., M.A., Loc. Gov. Board, Dublin  
 Barnett, John, minister, Kilchoman  
 Barnett, J., M.A., minister, Moneymore  
 Barr, Alexander, minister, Airdrie  
 Barr, A., D.Sc., C.E., professor, Glasgow  
 Barr, H., B.L., writer, 45 W. George st., Glasgow  
 Barr, James, preacher, Maryhill  
 Barr, James, M.B., Hagg crescent, Johnstone  
 Barr, James, M.D., Everton, Liverpool  
 Barr, James, B.D., minister, Wamphray  
 Barr, James E., M.B., Port-Glasgow  
 Barr, Jas. K., M.A., tch., 113 G. Hamilton st., Glas.  
 Barr, John, surgeon, Rishon, Blackburn  
 Barr, John F., B.Sc., M.B., Coldstream ho., P'shields  
 Barr, Patrick, B.L., writer, Glasgow  
 Barr, Thomas, M.D., Glasgow  
 Barras, Thomas C., M.B., 5 Westercraigs, Glasgow  
 Barras, Wm. G., M.D., Westbourne, Bellahouston  
 Barrie, John, M.D., Crosshill, Glasgow  
 Barrie, Wm. R., minister, Longframlington  
 Barrowman, J. S., M.A., prob., 20 Bank st., Hillh'd  
 Barrowman, Thomas, M.B., Johnstone  
 Barry, J. C., M.A., clergyman, Dumbarton  
 Bartholomew, John, M.A., stu., Torrance of Campsie  
 Bater, Claude H., M.A., Inl. Rev., Ashwell, Herts  
 Bathgate, W., M.A., H.M.I.S., Glasgow  
 Bauchop, Jas., M.B., 131 Annfield st., Dennistoun  
 Baxter, John C., D.D., minister, Kirkcaldy  
 Baxter, M. M. F., M.A., stu., 8 Mansfield pl., Glasgow  
 Bayne, Alexander, minister, Tingwall  
 Bayne, David, B.D., prob., 26 Hopeton pl., Glas.  
 Bayne, John, M.A., student, Braco  
 Baynes, Joseph, M.B., Manchester  
 Beale, A. A., M.B., 181 S'thampton st., London, S.E.  
 Beatson, H., minister, Hillhead, Glasgow  
 Beatson, John F., M.D., surg.-gen., London  
 Beattie, Matthew, M.B., Newton, Auldirth  
 Beattie, Robert M., M.B., Inveraray  
 Beck, Ed., M.B., Ravenstonedale, W'moreland  
 Beckett, C. E., LL.B., 163 St. Vincent st., Glas.  
 Beckett, John, M.D., Crosshill, Glasgow  
 Beckett, William, M.A., writer, Glasgow  
 Begg, Bruce B., M.A., minister, Kirkcaldy  
 Begg, Robert, M.A., student, Glasgow  
 Beith, Robert, M.B., Glasgow  
 Bell, Andrew B., ch. of Prison Com., Edinburgh  
 Bell, Andrew L., M.B., Dunfermline  
 Bell, Charles W., M.B., Glasgow  
 Bell, Henry W., M.A., minister, Aberdeen  
 Bell, Jas., shipowner, 7 Marlborough ter., Glas. W.  
 Bell, George T., student, Kilm  
 Bell, Robert, M.D., Glasgow  
 Bell, Robert G., M.B., 116 Herrington st., Sunderl'nd  
 Bell, Thomas, minister, Edinburgh  
 Bell, Thos. K., M.B., Coatbridge  
 Bell, Wm. H., M.A., B.Sc., teacher, Rutherglen  
 Bennett, A. J. M., M.A., writer, Dunoon  
 Bennie, J. N., LL.D., clergyman, Leicester  
 Bennie, Robert, M.A., minister, Greenock  
 Bennie, William, minister, Bathgate  
 Beresford, R. de la Poer, M.D., Oswestry  
 Berry, H. L., M.A., minister, Hampstead  
 Berry, James, minister, Buchlyvie  
 Berry, R., M.A., LL.D., Sheriff of L'kshire, Glas.  
 Berry, Thomas, M.B., Yaxley, Peterborough  
 Bertram, Thos. D., M.B., Orcadia villa, P'kshields  
 Bethune, John, minister, Portmoak, Kinross  
 Beveridge, H. R., M.A., student, Paisley  
 Beveridge, John, B.D., minister, Stow  
 Beveridge, J., M.B., Kilmarnock  
 Beveridge, R. E., M.B., Dunfermline  
 Biernacki, John T., M.B., 12 Rocleater, Kelvinside  
 Biggar, J. W., M.A., teacher, Polmont  
 Biggart, Samuel, M.D., West Hartlepool  
 Biles, John H., professor, University, Glasgow  
 Binnie, David D., LL.B., writer, Glasgow  
 Binnie, Jas. M., M.A., stu., Belmont, Kilmalcolm  
 Binnie, R. M. G., M.D., Brandon, Durham  
 Binnie, Thos., M.A., stu., 3 Park Gate, Glasgow  
 Binnie, William, M.A., student, Airdrie  
 Binning, Douglas B., M.A., stu., 2 Princhester, Glas.  
 Birchall, Thomas E., M.B., Croydon  
 Birkmire, Archibald, minister, Glasgow  
 Bishop, J. C., LL.B., student, Coatbridge  
 Bishop, Robt., M.B., 160 Hill st., Garnethill, Glas.  
 Bisset, D., M.A., teacher, 19 Elgin ter., Partick  
 Black, Andrew, minister, Cambridge  
 Black, Christopher S., M.D., Belfast  
 Black, Donald Campbell, M.D., Glasgow



- Black, George, M.B., Luining, Easdale  
 Black, H., M.A., min., Sherwood F.C., Paisley  
 Black, James, M.A., minister, Stockport  
 Black, John, minister, New Castleton  
 Black, John E., B.D., probationer, Broughty Ferry  
 Black, Malcolm, M.D., Glasgow  
 Black, R., M.A., min., Ramsey Vicarage, Hunt'gdon  
 Black, W. P. M., B.L., writer, Kelvinside  
 Blackburn, H., LL.D., ex-professor, Roshven  
 Blackburn, Thos. L., M.B., Wingfield, Bothwell  
 Blackie, W. G., LL.D., publisher, Glasgow  
 Blackie, W. W., B.Sc., publisher, Glasgow  
 Blacklock, D.C.S., M.A., B.L., 48 W'b'ne Gr., K'side  
 Blackwood, John R., M.A., stu., Blairnile, Campsie  
 Blackwood, T., M.A., minister, Stow, Midlothian  
 Blaine, B., M.B., Glasgow, W.  
 Blair, Alexander, M.B., Ashington, Morpeth  
 Blair, Archibald W., LL.B., barr., Temple, London  
 Blair, Charles P., M.A., minister, Wanlockhead  
 Blair, David, M.A., student, Oakshaw, Paisley  
 Blair, David, M.D., Benvan, Glencoe  
 Blair, James, M.A., student, Sharon street, Dalry  
 Blair, John, minister, Straiton, Maybole  
 Blair, John F., B.D., prob., Broughty Ferry  
 Blair, Matthew, M.B., 19 Oakshaw street, Paisley  
 Blair, R., M.A., D.D., minister, Cambuslang  
 Blair, Robert, M.D., Lenzie  
 Blair, William, M.D., Jedburgh  
 Blake, B., B.D., minister, Clydebank  
 Blakely, W. T., M.B., Kirkintilloch  
 Bland, Matthew H., M.D., Hungate, Pickering  
 Bleckley, John, M.A., minister, Monaghan  
 Belloch, Archibald, minister, Edinburgh  
 Blyth, David, M.B., Johnstone Br., Lockerbie  
 Blyth, James, M.A., minister, Alnwick  
 Blyth, John, B.L., solicitor, Edinburgh  
 Blyth, J. G., LL.B., barrister, Auckland, N.Z.  
 Boa, John F., M.B., Dippin, Kildonan, Arran  
 Boag, James, M.B., 19 Gt. Western rd., Glasgow  
 Boag, John S., M.A., B.Sc., student, Greenock  
 Bogle, Andrew, minister, Callander  
 Bogue, J., M.A., minister, Stockton-on-Tees  
 Bolland, Edward H., M.D., Monkstown, Dublin  
 Bonar, J., M.A., LL.D., C. S. Examiner, London  
 Bonar, John, M.A., student, East Kilbride  
 Bonar, Thomas M., M.B., Fishponds, Gloucester  
 Bond, John, M.B., Liverpool  
 Bond, William James, M.B., Brill, Bucks  
 Borland, David, M.A., min., Townhead ho., Paisley  
 Borland, Henry M., M.B., 56 Dundas st., Glasgow  
 Borland, John, M.B., Glasgow  
 Borland, John, M.D., Uddingston  
 Borthwick, Jas., M.A., tch., 366 Duke st., Glasgow  
 Bossy, Francis, M.D., Redhill, Surrey  
 Bow, James E., M.B., The Hollies, Larbert  
 Bower, Fred. O., D.Sc., F.R.S., prof., Univ., Glas.  
 Bowie, James, minister, Craig, Dunscore  
 Bowie, John C., M.B., Kilbarchan  
 Bowie, Thomas, M.B., Coatbridge  
 Bowman, Archibald, minister, Glasgow  
 Boyd, A., major, St. Andrews  
 Boyd, A. K. H., D.D., minister, St. Andrews  
 Boyd, David R., B.Sc., chem., 61 Cecil st., Hillhead  
 Boyd, Francis, M.A., stu., 54 Hillierd., L'nd'n, S.W.  
 Boyd, H.C., LL.B., law clk., 23 Radnor st., Glasgow  
 Boyd, J. D., M.B., Sandhurst, Australia  
 Boyd, J., M.A., principal, Broughton, Manchester  
 Boyd, James, writer, Glasgow  
 Boyd, James, M.A., minister, York  
 Boyd, J. C., M.A., minister, Kennoway  
 Boyd, James P., M.B., 6 Park street, E., Glasgow  
 Boyd, Jas. W., M.B., Kelton Villa, Barr, by Girvan  
 Boyd, J., M.A., minister, Skeltmorlie  
 Boyd, John A., M.B., 40 Sandford st., Glasgow  
 Boyd, John J., M.B., 61 Cecil street, Hillhead  
 Boyd, John S., M.A., student, Garnock st., Dalry  
 Boyd, Robert, B.L., solicitor, Irvine  
 Boyd, Robert L., M.A., student, Croft, Larkhall  
 Boyd, Robert M., M.A., minister, Glenbervie  
 Boyd, William, LL.D., minister, Glasgow  
 Boyd, Wm. M., M.B., 25 Main street, Largs  
 Boyle, John, B.D., prob., Farnell, Brechin  
 Boyle, Michael A., M.B., Belmullatt, co. Mayo  
 Bradford, William A., M.B., Chippenham  
 Bradley, Andw. C., M.A., prof., University, Glas.  
 Bradley, M.M., M.D., Jarrow-on-Tyne  
 Bradshaw, B. W., M.D., Bansa  
 Braidwood, Gavin, LL.B., writer, Glasgow  
 Braidwood, J., M.A., minister, Edinburgh  
 Brand, David, Sheriff of Ayr, Kensal Tower, Ayr  
 Brand, M., B.Sc., C.E., Faulds' Park, Baillieston  
 Brash, James, M.D., Glasgow  
 Breaky, A., M.A., minister, Kilileagh  
 Bremner, H., M.A., D.D., minister, Partick  
 Bremner, R. L., M.A., B.L., st., F.G'b'ls M'se, P's'h'lds  
 Brewster, George, M.A., student, Edinburgh  
 Briggs, Reuben, M.A., min., Honley, Huddersfield  
 Brisbane, James, M.D., London  
 Brisbane, T., minister, Cambuslang  
 Briscoe, Henry, M.D., R.A., Woolwich  
 Broadfoot, William, M.B., Greenock  
 Broatch, R., M.A., teacher, Summerfield, Annan  
 Brock, W. P., M.A., B.D., minister, Forth  
 Brocklehurst, G. H., B.Sc., teacher, Eastbourne  
 Brodie, Dun. H., B.D., min., 153 G'rth'l'd dr., Glas.  
 Brodie, J. Ewen, M.D., Glasgow  
 Brodie, Robert, writer, Glasgow  
 Brodie, Robert C., M.B., 23 Belhaven ter., Glasgow  
 Brodie, W., B.L., lw.-cl., 23 Belhaven ter., Kelv'side  
 Brodie, Wm. B., M.B., 44 Westbourne gds., Glasgow  
 Broom, John, M.B., 106 Buccleuch st., Glasgow  
 Broom, R., B.Sc., M.B., 68 Merchiston av., Edinr.  
 Brown, A. B., M.A., minister, F. C., Kilbirnie  
 Brown, A. M., B.D., minister, Kirkintilloch  
 Brown, A., M.A., teacher, 51 Grant st., Glasgow  
 Brown, Angus, minister, Fortrose  
 Brown, Archibald, M.D., Mount Florida  
 Brown, C.H., LL.B., law app., 13 W'dside ter., Glas.  
 Brown, David, minister, Mount Florida  
 Brown, D., M.A., minister, Falcarragh  
 Brown, Duncan, M.A., minister, Lochgelly, Fife  
 Brown, G., minister, Pau, France  
 Brown, George, M.D., Colchester  
 Brown, Geo. D., M.A., stud., Crofthead, near Ayr  
 Brown, G. S., B.Sc., student, Glasgow  
 Brown, Henry, M.A., min., U.P. Manse, Earlstoun  
 Brown, J., inspector of N. Schools, Tanag'more  
 Brown, James, M.A., minister, Glasgow  
 Brown, James, M.A., stu., 3 Madeira st., Leith  
 Brown, Jas., M.A., stu., 36 Portland pl., Hamilton  
 Brown, James, M.B., 3 Armadale st., Dennistoun  
 Brown, James A., M.B., Ardnoth, New Cumnock  
 Brown, J. P., M.A., stu., Ardmore, Campbeltown  
 Brown, J. B., minister, Dunfermline  
 Brown, J., M.A., D.D., Drogheda  
 Brown, John, minister, Glasgow

- Brown, John, M.B., Galston  
 Brown, John, M.D., Glasgow  
 Brown, John, B.Sc., student, Glasgow  
 Brown, J. B., LL.B., law student, Glasgow  
 Brown, J. C., probationer, Glasgow  
 Brown, J. F. C., M.B., Alexandria  
 Brown, J. T., M.B., Strathwey, Monmouth  
 Brown, John J., minister, Kinclaven  
 Brown, J. Ritchie, M.D., Saltcoats  
 Brown, Joseph, M.A., student, Fochabers  
 Brown, J., D.D., minister, Glasgow  
 Brown, M. T., B.Sc., engineer, Glasgow  
 Brown, R., B.D., minister, Auchtergaven  
 Brown, Robert, M.A., M.B., Kilmarnock  
 Brown, Robert, B.Sc., merchant, W'dcroft, Part'k  
 Brown, Robert, M.D., Pollokshields  
 Brown, Robt. S., M.A., lawapp., 2Granby pl., Hillh'd  
 Brown, Thomas, surgeon, Dunblane  
 Brown, Thomas, M.A., probationer, Glasgow  
 Brown, Walter F., M.B., Coatbridge  
 Brown, Walter R., B.L., writer, Glasgow  
 Brown, William, M.B., Port-William  
 Brown, William, M.D., Fishponds, Bristol  
 Brown, W. H. J., M.D., Howwood, Renfrew  
 Brown, W. L., writer, Glasgow  
 Brown, Wm. L., M.B., 17 Glasgow st., Hillhead  
 Brown, William M., M.B., Caterham, Surrey  
 Brown, Wm. M., M.B., Holly ho., Saltcoats  
 Brown, W. R., M.A., minister, Ardrossan  
 Brown, Wm. T., B.L. (C.P.), Glasgow  
 Brown, Wm., M.A., teacher, Falkirk  
 Browne, Arthur H., M.B., Parkton Grove, Rockferry  
 Browne, H., M.A., M.D., Manchester  
 Browne, J., M.A., minister, Dungannon  
 Browne, Peter O. W., M.B., Cerrig, Rhyl  
 Browning, D. M., M.A., student, Newfoundland  
 Browning, R. L., M.A., minister, Midcalder  
 Browning, T. B., M.A., barrister, Glasgow  
 Brownlee, J., minister, Rutherglen  
 Brownlee, John, M.A., stu., West Manse, Ru'glen  
 Brownlee, John I., M.B., Glasgow  
 Brownlee, Wm. S., B.D., prob., W. Manse, Ru'glen  
 Brownlie, William, M.A., minister, Lenzie  
 Brownridge, Robt., M.B., Thrusheraig ho., Paisley  
 Bruce, A. C., M.A., stu., Levensgrove, Dumbarton  
 Bruce, David, LL.B., student, Hillhead  
 Bruce, James, M.B., 9 Orr square, Paisley  
 Bruce, J. H., M.D., Bulmershe, Reading  
 Bruce, Robert R., B.Sc., C.E., Montreal  
 Bruce, R. Stewart, minister, Wishaw  
 Bruce, Thomas, minister, New Zealand  
 Bruce, W., B.D., minister, Dunimarle  
 Brunton, J., B.D., minister, Monimail  
 Brunton, J., M.A., M.D., London, N.W.  
 Brunton, W., M.A., LL.B., student, Dennistoun  
 Bryan, Thos. A., M.A., warehouseman, Girlington, Bradford  
 Bryce, Alex., M.B., 2 Hayfield terrace, Langside  
 Bryce, James, M.D., London, N.  
 Bryce, J. A., M.A., student, London, W.  
 Bryce, John, M.A., teacher, 10 Greenside, Girvan  
 Bryce, John R., M.B., 54 Stroud Green rd., London, N  
 Bryce, Peter C., M.A., stu., Park Cot., Dumbarton  
 Bryce, Wm., M.A., med. stu., Saltcoats  
 Bryce, Wm., M.D., 3 Buchanan Gds., Mt. Vernon  
 Bryden, R. L., B.L., cl.-at-law, 15 Dalhousie st., Glas.  
 Bryson, Alexander, minister, Alloa  
 Bryson, James, M.B., Glasgow  
 Bryson, John W., M.A., student, Kilmarnock  
 Bryson, Mungo, M.B., 11 Fowlds st., Kilmarnock  
 Buchan, George, M.D., Mayville, Cleland  
 Buchan, W., minister, Bovedy, Kilrea  
 Buchanan, A., M.A., rector, Academy, Lenzie  
 Buchanan, A. M., M.D., Glasgow  
 Buchanan, Alex., M.A., teach., Alexandria, Egypt  
 Buchanan, A., minister, Burntisland  
 Buchanan, G., M.A., LL.D., M.D., professor, Glas.  
 Buchanan, G. S., insurance agent, Glasgow  
 Buchanan, Gilbert, M.A., stu., Prestwick rd., Ayr  
 Buchanan, James, M.A., Glasgow  
 Buchanan, J., M.A., student, Cardross  
 Buchanan, James, M.A., 8 Gordon st., Glasgow  
 Buchanan, Jas. S., M.B., 25 Kelvin side ter., S., Glas.  
 Buchanan, J., B.Sc., minister, Eaglesham  
 Buchanan, J., merchant, Edinburgh  
 Buchanan, John, M.D., Liverpool  
 Buchanan, John, M.B., Glasgow  
 Buchanan, J. Y., M.A., merchant, Edinburgh  
 Buchanan, Leslie, M.B., 14 Royal ter., Glasgow  
 Buchanan, Peter, M.B., Coleford, Gloucester  
 Buchanan, R., B.D., minister, Clydebank  
 Buchanan, Robt. M., M.B., 9 Burnbank ter., Glas.  
 Buchanan, T., minister, Barrhead  
 Buchanan, Thomas, M.B., New York  
 Buchanan, Wm., M.B., Glasgow  
 Buchanan, Wm., B.Sc., engineer, Bannockburn  
 Buchanan, W. L., accountant, Glasgow  
 Buchanan, W. M., M.D., Edinburgh  
 Buick, J. W. M., M.B., Ravenswood, Vict., Aust.  
 Bullock, J., M.A., min., Willesden, Bingley, Yorks.  
 Buntin, James M., M.A., student, Glasgow  
 Burdon, Andrew M., M.A., teacher, Bellshill  
 Burdon, James A., minister, Lasswade  
 Burnet, G. W., M.A., B.L., advocate, Edinburgh  
 Burnett, James C., M.D., 30 First av., Brighton  
 Burnside, Robert, M.A., S.S.C., Glasgow  
 Burns, Islay F., M.A., student, Dundee  
 Burns, James, minister, Nairn  
 Burns, J. C., merchant, Glasgow  
 Burns, James S., M.A., stu., Parkhead, Kilwinning  
 Burns, J., merchant, Castle Wemyss  
 Burns, J. W., M.A., advocate, Kilmahew  
 Burns, Robert, M.D., 15 Edmund st., Glasgow  
 Burrell, Adam G., M.B., 1 Athole ter., Hillhead  
 Burton, John T., M.A., minister, Newmilns  
 Butchart, W., M.A., M.B., Clydebank  
 Butler, Alex., M.B., 145 Greenhead ter., Glasgow  
 Butler, D., M.A., assistant min., Edinburgh  
 Butler, Wm., M.B., 98 High st., London, N.W.  
 Buttercase, Robert, M.B., Newcastle-on-Tyne  
 Caird, Edward, LL.D., professor, Glasgow  
 Caird, J., M.A., D.D., LL.D., principal, Glasgow  
 Cairnie, Charles, M.A., stud., Silverae, Largs  
 Cairns, J., M.A., B.D., curate, Warwick sq., London  
 Cairns, J. A., LL.B., S.S.C., Edinburgh  
 Cairns, Wm., M.B., Union Bank, Gatehouse  
 Caithness, James, M.D., Denbigh  
 Calder, R., M.A., H.M.I.S., Broughty Ferry  
 Calderwood, George, M.D., Egremont  
 Calderwood, John, M.B., Holm cot., E. Kilbride  
 Calderwood, John, M.A., stu., 1 Berlinker, P'ksh'd  
 Calderwood, Robert, M.B., 33 High st., Paisley  
 Caldwell, James, 12 Grosvenor ter., Glasgow  
 Caldwell, R. R., minister, Helensburgh  
 Caldwell, William, writer, Glasgow



- Caldwell, W. S., M.D., Lochwinnoch  
 Callan, Hugh F., M.A., assist. min., Glasgow  
 Callan, John, M.A., min., Annbank, Tarbolton  
 Callan, J. M., M.D., Dundalk  
 Callender, J., M.B., Dunscore, Dumfries  
 Camack, Peter Gamble, M.D., Dervock  
 Cameron, Alexander, teacher, Johnstone  
 Cameron, Alex., M.D., Caistor, Lincolnshire  
 Cameron, A. B., M.A., D.D., minister, Edinburgh  
 Cameron, Sir Charles, Bart., M.D., LL.D., M.P.,  
 Balclutha, Greenock  
 Cameron, D., minister, Newton-Mearns  
 Cameron, D. B., M.A., minister, Dundee  
 Cameron, D., M.A., minister, Rothes  
 Cameron, D., minister, Kilmonivaig  
 Cameron, D., M.A., teacher, Peterhead  
 Cameron, H. Clare, M.D., Glasgow  
 Cameron, H. P., M.A., minister, Dalry, Ayr  
 Cameron, James, minister, Mirfield  
 Cameron, James, B.D., prob., Paisley  
 Cameron, Jas. R., M.A., stu., 10 S. Park ter., Glas.  
 Cameron, J. W., M.B., 36 Apsley place, Glasgow  
 Cameron, J. W., B.L., writer, Wangaratta, Aust.  
 Cameron, John, B.D., prob., Edinburgh  
 Cameron, John, M.B., Cotham Brow, Bristol  
 Cameron, John, M.D., Liverpool  
 Cameron, J., M.D., Epworth, Doncaster  
 Cameron, J., M.A., D.D., minister, Dunoon  
 Cameron, John A., M.B., 14 Hill st., Garnethill  
 Cameron, John L., M.A., student, Mearns  
 Cameron, John M., M.B., Old Kilpatrick  
 Cameron, Matthew, M.B., Gilston Mains, Largo  
 Cameron, Mat. B., M.A., teacher, Calside, Paisley  
 Cameron, Murdoch, M.D., Glasgow  
 Cameron, S., M.A., minister, Logierait  
 Cameron, Thomas, M.B., Portonachan, Dalmally  
 Campbell, Alex., M.B., Murrough Pk. Ho., Govan  
 Campbell, Alexander, B.L., writer, Glasgow  
 Campbell, A. F., M.A., tch., 8 South st., Greenock  
 Campbell, Archibald, M.A., M.B., Biggar  
 Campbell, Arch., M.B., Heaton, Newcastle-on-Tyne  
 Campbell, A., M.D., 32 Whittington rd., London  
 Campbell, A., M.A., minister, Errol  
 Campbell, A., minister, Kilfinichen, Mull  
 Campbell, Archibald, M.B., Ratcliffe-on-Trent  
 Campbell, Arch. P., M.B., 186 Hospital st., Glasgow  
 Campbell, A. T., M.B., 5 Raeberry st., Glasgow  
 Campbell, Charles, B.D., min., Westfield, Airdrie  
 Campbell, Colin, D.D., minister, Dundee  
 Campbell, Daniel, M.A., student, Govanhill  
 Campbell, D., M.A., B.L., law student, Melbourne  
 Campbell, D. B., M.B., 1 Lansdowne pl., Shawlands  
 Campbell, D., minister, Eye, Suffolk  
 Campbell, Donald, M.D., Ballachulish  
 Campbell, D., minister, Kirkmichael, Glassary  
 Campbell, Donald, M.D., Calne, Wilts  
 Campbell, Don., M.A., teacher, Edinburgh  
 Campbell, D., M.A., tch., 12 Kelbourne st., K'side  
 Campbell, D., M.D., Lochgilphead  
 Campbell, Dugald, M.B., Lugar, Ayrshire  
 Campbell, D., minister, North Knapdale  
 Campbell, Duncan, M.A., student, Aberfeldy  
 Campbell, Fin. S., M.B., 12 Carrington st., Glasgow  
 Campbell, Gilbert, M.B., Partick  
 Campbell, H. S., M.A., rector, Nettleton  
 Campbell, James, M.A., Brighton  
 Campbell, James, M.A., teacher, Old Cumnock  
 Campbell, J. A., LL.D., M.P., Stracathro  
 Campbell James B., M.A., tch., 31 Scotia st., Glas.  
 Campbell, James D., M.B., Barr, Girvan  
 Campbell, J. E., M.A., B.L., writer, Paisley  
 Campbell, Jas. H., M.B., 12 Hamilton cres., Partick  
 Campbell, J. J., M.D., Lauriston, Castle-Douglas  
 Campbell, J. M'K., M.A., stu., Wamphray, Moffat  
 Campbell, James R., D.D., minister, Shipley  
 Campbell, John, B.D., prob., 52 Buccleuch st., Glas.  
 Campbell, J. A., M.A., stu., 74 Old D'barton rd., Glas.  
 Campbell, J. A., M.D., Garlands, Carlisle  
 Campbell, John, M.B., Glasgow  
 Campbell, J., minister, Glenurquhart, Inverness  
 Campbell, J., B.D., minister, Kirkcaldy  
 Campbell, John, M.D., Gloucester  
 Campbell, John, minister, Edinburgh  
 Campbell, J. L., late schoolmaster, Newmilns  
 Campbell, J. M., B.Sc., analyst, Teheran  
 Campbell, John M., M.B., 136 Stirling rd., Glasgow  
 Campbell, M. G., M.A., minister, Falstone  
 Campbell, Neil M'Nab, M.D., Oban  
 Campbell, Niel, M.B., 2 Canning place, Glasgow  
 Campbell, R. V., LL.B., advocate, Edinburgh  
 Campbell, R. A., M.B., Newcastle-on-Tyne  
 Campbell, Robert, minister, Glasgow  
 Campbell, Samuel, M.D., London  
 Campbell, Samuel H., M.D., Portrush  
 Campbell, Walter A., M.A., stu., Benvue, Paisley  
 Campbell, W. D., M.B., Shawlands  
 Campbell, W. S., M.B., Crediton, Devon  
 Campbell, W., M.A., min., Craigie, Kilmarnock  
 Campbell, W., B.D., prob., 89 Grant st., Glasgow  
 Campbell, Wm., M.D., London, S.W.  
 Campbell, W. A., M.A., minister, Cargill  
 Campbell, Wm. A., M.B., Oban  
 Campbell, W. M'K., B.D., probationer, Bowling  
 Campsie, James, M.A., tch., 49 Copeland rd., Govan  
 Cane, Herbert Du, M.B., 70 City rd., London, E.C.  
 Cannan, D., M.A., student, London, E.  
 Cannon, W. R., M.A., tch., 18 Willowbank st., Glas.  
 Cappon, James, M.A., prof., Kingston, Canada  
 Capps, Washington L., B.Sc., ensign, U.S. Navy  
 Carlyle, David, M.D., Carlisle  
 Carlyle, John, M.D., Greenock  
 Carmichael, Alex., M.B., Riverton, Cathcart  
 Carmichael, D., M.B., Tarbert, Lochfyne  
 Carmichael, Hugh, M.A., stu., Chapelton, Bearsden  
 Carmichael, Neil, M.B., Pollokshields  
 Carmichael, P., B.D., minister, London  
 Carmichael, W. G. H., M.A., minister, Perth  
 Carr, Jonas King, M.D., Cheltenham  
 Carr, William, M.B., Barlinnie, Glasgow  
 Carrick, Alexander, minister, Troon  
 Carrick, J., M.A., minister, 32 Dick pl., Edinburgh  
 Carrick, J. C., B.D., minister, Newbattle  
 Carroll, John S., M.A., minister, Glasgow  
 Carroll, Joseph, M.B., Ilkeston  
 Carruthers, Alex., M.A., stu., Howgate, Kilwinning  
 Carruthers, J. W. D., M.A., minister, Stewarton  
 Carruthers, J. Bell, M.D., Edinburgh  
 Carruthers, John, M.D., Rockferry, Cheshire  
 Carruthers, T., M.A., minister, Bridge of Weir  
 Carslaw, H. S., M.A., stu., Emmanuel Col., Camb.  
 Carslaw, Jas., M.A., M.B., Park Manse, Helensburgh  
 Carslaw, J. H., M.A., M.B., 400 Gt. West'n rd., Glas.  
 Carslaw, W. H., M.A., minister, Helensburgh  
 Carslaw, W. H., M.A., student, Helensburgh  
 Carson, Alex., B.Sc., student, Stirling  
 Carswell, Fergus, M.B., Hillhead

- Carswell, James, M.A., min., Newcastle-on-Tyne  
 Carswell, James S., B.D., asst. minister, Partick  
 Carswell, Robert, M.A., stu., Shawbank, Giffnock  
 Carver, Thos. A. B., B.Sc., electrician, 15 Browns-  
 wood road, London, N.  
 Caskey, Joseph, minister, Stronsay  
 Caskie, James, M.B., Methil, Fife.  
 Caskie, Wm. A., M.A., M.B., Largs  
 Cassels, Thos., M.A., stu., 19 Seyton av., Langside  
 Cassels, T., M.D., Southend, Essex  
 Cassels, Wm., M.B., 70 Armadale street, Glasgow  
 Caven, James, minister, Kirkintilloch  
 Chalmers, Arch., M.A., M.B., Glasgow  
 Chalmers, Arch. K., M.D., Mossend  
 Chalmers, James, M.D., Glasgow  
 Chalmers, James, M.B., Backburn, Annan  
 Chalmers, Jas. E., M.B., 4 Church pl., Greenock  
 Chalmers, Joseph, M.A., Edinburgh  
 Chalmers, Quintin, M.D., 10 Royal cres., Glasgow  
 Chalmers, Thos., M.A., solicitor, Greenock  
 Chandler, B. C., M.D., Bayswater, London  
 Chapman, David, minister, Girvan  
 Chapman, Gavin, M.A., manufacturer, Glasgow  
 Chapman, T. A., M.D., Burghill, Hereford  
 Charles, David H., M.D., Cookstown  
 Charles, John, M.B., Sunderland  
 Charteris, Matthew, M.D., prof., Univ., Glasgow  
 Charteris, David, M.B., 46 Dick st., Glasgow, W.  
 Christie, David, M.B., 360 Dumbarton rd., Glasgow  
 Christie, J. R., LL.B., advocate, 31 India st., Edin.  
 Christie, John, Cowdon Castle, Dollar  
 Christie, William, minister, Edinburgh  
 Christie, W. W., M.D., Glasgow  
 Chrystal, J., D.D., minister, Auchinleck  
 Clapperton, A. E., B.L., writer, Glasgow  
 Clapperton, Lewis, M.A., C.A., Glasgow  
 Clark, A., M.A., minister, Wick  
 Clark, Alex., min., 127 Marchmont rd., Edinburgh  
 Clark, A. T., M.A., student, Strathaven  
 Clark, D. R., M.A., merchant, Pollokshields  
 Clark, Dugald M., B.L., writer, Glasgow  
 Clark, Duncan, minister, Benbecula  
 Clark, F. W., M.A., barrister, Ulva, by Aros  
 Clark, George, M.B., 55 Middle Lane, London, N.  
 Clark, Gilbert, M.A., min., Haywood, Lanark  
 Clark, Hugh, M.D., Ferryhill, Durham  
 Clark, J., M.A., minister, Balgonie, Markinch  
 Clark, James, M.A., advocate, Edinburgh  
 Clark, James A., M.A., stud., U.P. Manse, Barrhead  
 Clark, John A., B.D., minister, Brechin  
 Clark, Patrick T., minister, Gamrie, Banff  
 Clark, Wm., M.A., minister, Barrhead  
 Clark, William, M.A., B.Sc., M.B., Old Cumnock  
 Clarke, Fred. H., M.B., Dumfries  
 Clarke, J., M.A., stu., Little Hampton, Sussex  
 Clarke, John H., writer, Glasgow  
 Clarke, John, minister, Minard  
 Clarke, John, M.B., Bigrigg, *via* Carnforth  
 Clarke, Joseph, M.D., Mount Melick  
 Clarke, Robert, M.B., 8 Smith ter., Rutherglen  
 Clarke, T. E. S., B.D., minister, Salton  
 Clarke, William, M.D., Wentworth  
 Clarkson, William, surgeon, Morpeth  
 Clazy, Robt. S., M.A., stud., Ecclestown, Paisley  
 Clazy, W. O., M.A., app.-at-law, Ecclestown, Paisley  
 Cleland, John, M.D., LL.D., F.R.S., prof., Uni-  
 versity, Glasgow  
 Cleland, John, B.Sc., engineer, Old Monkland  
 Cleland, W., B.Sc., engineer, Blonk st., Sheffield  
 Clements, W., M.B., Burton-on-Trent  
 Clerk, Archibald, M.B., Glasgow  
 Clerk, Iain, M.B., Glasgow  
 Clerk, Norman M'L., M.B., Rothesay  
 Climie, J., M.A., student, Longrigg, Slamannan  
 Clow, W. M., B.D., minister, Aberdeen  
 Clubb, Charles, M.A., teacher, Glasgow  
 Clubb, John, B.D., prob., 301 Cathcart rd., Glas.  
 Cluckie, Andrew, M.B., 77 George st., Stranraer  
 Cluckie, N. G., M.B., Greenock  
 Clugston, James, minister, Stewarton  
 Clugston, John, minister, Stewarton  
 Clyde, J., M.A., LL.D., teacher, Edinburgh  
 Coats, James, M.B., Army Medical Staff  
 Coats, J., M.A., B.L., student, East Kilbride  
 Coats, Jervis, M.A., minister, Govan  
 Coats, John, M.A., portioner, Helensburgh  
 Coats, John J., M.A., writer, Glasgow  
 Coats, Joseph, M.D., 31 Lynedoch street, Glasgow  
 Coats, W. W., B.D., minister, Girthon  
 Cochrane, Chas. E., M.B., 1 University pl., Partick  
 Cochrane, James, M.B., Glen road, Wishaw  
 Cochrane, John, M.B., Townhead, Kirkintilloch  
 Cochrane, M., M.A., chemist, Langside  
 Cochrane, William, minister, Glasgow  
 Cockburn, Samuel, M.B., 195 Bath st., Glasgow  
 Cocker, John M., M.A., stud., 9 Windsor st., Glas.  
 Collins, Hugh B., B.Sc., chem., W. Balgray, Hillhead  
 Collum, Robert, M.D., Surbiton  
 Colquhoun, James, LL.D., writer, 158 St. Vincent  
 st., Glasgow  
 Colquhoun, Walter, M.A., student, Hillhead  
 Colt, Sir T. A., Bart., M.D., Maidencombe  
 Colville, John, B.D., prob., 25 London rd., Glasgow  
 Colvin, Francis H., M.A., M.B., Colmonell  
 Comerford, John T., M.D., Dep. Insp. Gen., R.N.,  
 London, S.W.  
 Comrie, Andrew, M.A., student, Paisley  
 Conn, Joseph, B.D., minister, Tillicoultry  
 Connal, Sir Michael, merchant, Glasgow  
 Connall, Jas. G., M.B., 10 W. Garden st., Glasgow  
 Connell, C. R., M.A., London  
 Connell, Donald, M.A., minister, Inverness  
 Connell, Duncan, minister, Glasgow  
 Connell, John, minister, Dregghorn  
 Connell, William, writer, Lochwinnoch  
 Connor, David, M.A., stu., 23 Albert rd., Crosshill  
 Connor, G. M., M.B., Glasgow  
 Conochie, Thomas G., M.A., student, Kilmalcolm  
 Constable, John, M.D., Leuchars  
 Conway, John, M.D., Glasgow  
 Cook, Alexander, M.B., 58 James street, Cardiff  
 Cook, D., B.L., law clerk, Tinavale, Pollokshields  
 Cook, Donald, M.A., minister, Dundee  
 Cook, James, M.B., 146 Brixton road, S.W.  
 Cook, John M., M.A., teacher, Whitelatts, Ayr  
 Cook, Robert, M.B., Tinavale, Pollokshields  
 Cook, Robert, M.D., Kyber ho., Leiston, Suffolk  
 Cook, Thomas, M.A., student, Janefeld, Paisley  
 Cook, Thomas D., M.B., Glendon, Torquay  
 Cook, William, M.A., writer, Glasgow  
 Cook, W. S., B.Sc., stu., Newton street, Greenock  
 Copland, A. M.B., Walkinshaw Villa, Johnstone  
 Copland, George, M.A., minister, Ayr  
 Copland, William R., engineer, Glasgow  
 Corbett, Joseph, D.D., minister, Glasgow  
 Corbett, Robert, Barrhead  
 Corbett, Robt., M.A., tch., 184 Parliam'ary rd., Glas.  
 Corbett, Robert, M.B., Bank street, Barrhead

- Cordiner, A., M.A., stu., U.P. Manse, Lesmahagow  
 Cordiner, J., M.A., M.B., Lesmahagow  
 Cordiner, Robert, minister, Lesmahagow  
 Cordiner, Robert, M.A., student, Campbeltown  
 Core, William, M.D., Barnhill, Springburn  
 Cormack, B.G., M.A., B.Sc., demonstr., Dumb'ton  
 Cormack, J.D., B.Sc., lect., Yorkshire coll., Leeds  
 Cormack, William, B.Sc., teacher, Fort st., Ayr  
 Costelloe, B. F. C., M.A., barrister, London  
 Coulson, G. F., B.Sc., C.E., Amalfi, Kelvinside  
 Coulter, John, M.A., D.D., minister, Belfast  
 Couper, Charles T., advocate, Edinburgh  
 Couper, David, M.D., Glasgow  
 Couper, James, merchant, Stirling  
 Couper, John, M.D., London  
 Couper, John T., minister, Buxton  
 Court, Charles, M.B., Kirkham, Lancashire  
 Courtenay, Thomas, M.D., Ballymena  
 Courtts, David, M.B., Skipness, Kintyre  
 Coutts, Jas., Reg. of Gen. Council, Univ., Glas.  
 Cowan, Chas. J., B.D., minister, Morebattle  
 Cowan, David R., minister, Stafford  
 Cowan, Dugald M., M.A., tch., Maryfield, Maryhill  
 Cowan, Hugh, M.A., stu., 27 Ashton ter., Hillhead  
 Cowan, John, M.A., student, Belmont, Paisley  
 Cowan, John, M.D., Dildawn  
 Cowan, J. B., M.D., ex-professor, Glasgow  
 Cowan, John Rankine, writer, Ayr  
 Cowan, R. C., M.A., accountant, Edinburgh  
 Cowan, Sam. D., M.A., stu., Benroy, Kirkintilloch  
 Cowan, William, M.A., LL.D., Midcalder  
 Cowen, B. S., M.B., Alphonington, Melbourne  
 Cowen, Herbert O., M.B., Douglas, Isle of Man  
 Cowie, D., M.B., Glasgow  
 Doyle, R. R., M.B., 4 Ardgowan terrace, Glasgow  
 Craig, Alexander B., M.B., Irvine  
 Craig, A. M., M.A., minister, Kelso  
 Craig, Andrew F., M.D., Lenzie  
 Craig, A. M., M.A., teacher, N. Pub. School, Falkirk  
 Craig, Archibald, M.D., Pathhead, Midlothian  
 Craig, Arch., LL.B., writer, Glasgow  
 Craig, Daniel, M.B., Arthurlie, Barrhead  
 Craig, James, minister, Crosshill  
 Craig, James, M.A., B.Sc., tch., 6 Montagu st., Glas.  
 Craig, James Aytton, minister, Crookham  
 Craig, James, B.D., minister, Whitburn  
 Craig, John, M.B., Grenada, West Indies  
 Craig, John, M.A., student, Glasgow  
 Craig, John Scott, minister, Maryport  
 Craig, John Wright, M.D., Bingley  
 Craig, J. L., M.A., stu., Grain Mills, Dumbarton  
 Craig, Peter L. L., M.A., stu., Grain Mills, Dumbart'n  
 Craig, Robert, M.A., minister, Edinburgh  
 Craig, Thomas C., M.B., 97 Meldon ter., Heaton  
 Craig, William, M.D., Edinburgh  
 Craigie, James T., minister, Burray, Orkney  
 raik, George L., publisher, London  
 raik, James, M.A., W.S., Edinburgh  
 raik, Robert, M.B., 63 High street, Dalbeattie  
 raik, Wm., M.B., 84 High street, Dalbeattie  
 ramb, John A., M.A., prof., London, W.  
 ranstoun, J., LL.D., rector, Edinburgh  
 rawford, Alexander D., M.B., Millport  
 rawford, A. W., M.B., 82 High street, Paisley  
 rawford, G., M.A., student, Kilmacolm  
 rawford, Jas., M.B., Radcliffe Bridge, Manchester  
 rawford, James, M.A., student, Kilbirnie  
 rawford, John, M.B., Biggar  
 Crawford, John C., M.B., Ardrossan  
 Crawford, John, M.B., Clincarthill, Rutherglen  
 Crawford, J. I., M.D., Swanage, Dorset  
 Crawford, Lawrence, B.Sc., student, Hillhead  
 Crawford, Matthew, minister, Partick  
 Crawford, Robert, M.A., minister, Kilmallie  
 Crawford, Robert, M.D., Glasgow  
 Crawford, T., M.A., B.D., probationer, Perth  
 Crawford, William, M.D., Uddingston  
 Crawford, William, M.B., Blackburn  
 Crawford, William B., writer, Glasgow  
 Crawford, George, merchant, Glasgow  
 Crawford, George, writer, Glasgow  
 Crawford, R. K. B., M.B., Glasgow  
 Creighton, John A., M.B., Caistor, Lincolnshire  
 Creighton, Wm. D., M.A., curate, Dundee  
 Crerar, P. D., M.A., student, Hillhead, Glasgow  
 Crichton, David, advocate, Edinburgh  
 Crichton, Wm., M.B., 97 Main st., Pollokshaws  
 Crichton, William C., M.B., Willington, Durham  
 Croker, G., M.D., M. Pottinger, Belfast  
 Crooke, Warren, M.D., Macroom  
 Crossie, Warren, B.L., writer, Glasgow  
 Cross, Andrew L., planter, Ceylon  
 Cross, D. K., M.B., Mount Florida  
 Cross, John, M.A., bar., 3 New sq., Linc. Inn, London  
 Cross, Thomas, LL.B., writer, Glasgow  
 Crossfield, Hedley R. V., M.B., Douglas, Isle of Man  
 Crosskey, W. F., M.D., Lewes, Sussex  
 Crothers, R., M.D., Southborough  
 Crowe, John, M.A., minister, Hanley  
 Crozier, W., M.A., minister, Ballynahinch  
 Cruickshank, J., M.A., teacher, Edinburgh  
 Cullen, John R. F., M.B., Rowanlea, Alexandria  
 Cullen, Wm., M.B., 9 Grafton place, Glasgow  
 Culross, J., M.A., M.B., Bristol  
 Cumming, A. N., M.A., barrister, London  
 Cumming, James B., M.B., Glasgow  
 Cumming, James S., M.D., Glasgow  
 Cumming, J. Elder, D.D., minister, Glasgow  
 Cumming, J. B., B.D., min., Mortlach, Duftown  
 Cumming, J. G., M.A., 24 Blythwood sq., Glasgow  
 Cumming, R., B.D., prob., Pollokshields  
 Cunliff, Richard J., LL.B., writer, Glasgow  
 Cunningham, Andrew, M.B., Oldbury  
 Cunningham, D., M.A., Rosemarkie  
 Cunningham, J., M.A., minister, London  
 Cunningham, John, M.B., Campbeltown  
 Cunningham, John, M.B., Glasgow  
 Cunningham, John, M.B., 49 High st., Stewarton  
 Cunningham, J. M., writer, Glasgow  
 Cunningham, J., D.D., LL.D., prin., St. Andrews  
 Cunningham, P. H., M.B., Maryhill  
 Cunningham, W. B., minister, Prestonpans  
 Cunningham, William L., M.B., Alva  
 Cuppage, Thomas, M.D., Lurgan  
 Curdie, James, M.A., minister, Gigha, Tayinloan  
 Curle, David, M.B., 21 Carnarvon st., Glasgow  
 Currie, Archibald, minister, Winchburgh  
 Currie, D. W., M.B., Tillicoultry  
 Currie, Hugh H., B.D., minister, Keig  
 Currie, John, M.D., Shrapnells, Taunton  
 Currie, John, M.B., Bridge of Allan  
 Currie, Joseph, teacher, Sunderland  
 Currie, Ronald, M.D., Wemyss Bay  
 Currie, Thomas, M.A., minister, Edinburgh  
 Currie, William, M.A., student, Hurlford  
 Cuthbert, J. A., B.L., bookkeeper, Bishopbriggs



Cuthbertson, John, Umberley cottage, Troon  
 Cuthbertson, David, M.D., 22 Park ter., Stirling  
 Cuthbertson, John, M.A., tch., 59 Grafton st., Glas.  
 Cuthbertson, Sir J. N., merchant, Glasgow  
 Cuthbertson, Robert, minister, Leeds  
 Cuthbertson, T. W., M.A., mer., B'swood sq., Glas.

Dale, Alex., M.A., student, 4 Townhead, Irvine  
 Dale, George, M.B., London, E.  
 Dale, Saxon S., M.B., Manor Park, Essex  
 Dalrymple, J. R., M.B., 1 Marlboro' rd., Bradford  
 Dalzell, J., B.D., M.D., missionary, Africa  
 Dalziel, George C., B.D., minister, Kinglassie  
 Daly, John F., M.A., minister, Glasgow  
 Daly, William J., M.B., 203 Seaside, Eastbourne  
 David, John, M.B., Rhondda Valley, S. Wales  
 Davidson, Alex., M.B., Glasgow  
 Davidson, And., M.A., M.D., Marianville, Cathcart  
 Davidson, Benjamin J., M.A., student, Glasgow  
 Davidson, George, M.B., Edinburgh  
 Davidson, G., B.Sc., minister, Edinburgh  
 Davidson, J., M.A., stu., Broughton Knowe, Biggar  
 Davidson, James F., M.B., Tomintoul  
 Davidson, J. W., minister, Bristol  
 Davidson, Lewis, M.A., minister, Edinburgh  
 Davidson, M. G., M.A., adv., Woodburn, Hamilton  
 Davidson, Robert, writer, London  
 Davidson, R., teacher, Cumbernauld  
 Davidson, Robert, M.B., Shettleston  
 Davidson, Thos., M.D., Thornhill, Dumfriesshire  
 Davidson, William A., M.A., teacher, Uddingston  
 Davies, David L., M.B., Neath, Glamorgan  
 Davies, Evan, M.A., student, Swansea  
 Davies, John, M.A., minister, Bridport  
 Davies, John, M.B., Llynvi, Maestey, Glamorgan  
 Davies, John D., M.B., Eglwys Fach, Conway  
 Davies, John M., M.A., student, Moseley  
 Davies, J.S., M.A., M.B., 58 Gl'ncain dr., P'rksh'ds  
 Davies, Norman de G., B.D., stu., Burgess H'l, S'sex  
 Davis, George W., M.B., 11 Gower st., Kelvinside  
 Davis, Thomas, M.D., Londonderry  
 Davison, T., M.A., minister, Dungeness  
 Davison, W. H., M.A., minister, Portobello  
 Dawbarn, G. J., B.Sc., engineer, Learmonth, Aust.  
 Dawson, J., M.A., inspector of schools, N.S.W.  
 Day, Mahan Lal, M.B., Glasgow  
 Dean-Leslie, J., LL.B., advocate, Edinburgh  
 Deas, Andrew O., LL.B., advocate, Edinburgh  
 Denholm, Andrew, M.D., Chorlton-cum-Hardy  
 Denney, James, M.A., minister, Broughty Ferry  
 Dennistoun, James, M.D., Bowdon, Cheshire  
 Dennistoun, John, merchant, London, S.W.  
 Denton, Tanat W., M.D., New Bild, Chester  
 Deverell, Wm. P., M.D., Ardglass  
 Dewar, Alex., M.B., 12 Rupert street, Glasgow  
 Dewar, Daniel M., M.B., 83 Taylor St., Glasgow  
 Dewar, James, M.A., minister, Arrochar  
 Dewar, John, M.B., Easdale, Oban  
 Dewar, J., M.A., probationer, Airth  
 Dewar, R. S., M.A., teacher, Crossford  
 Diamond, James, M.D., Marsh, Huddersfield  
 Diamond, William, M.B., Kirkland, Pollokshaws  
 Dick, Alex., writer, Glasgow  
 Dick, James, M.D., Harrington  
 Dick, John, minister, Tweedsmuir  
 Dick, John, M.A., teacher, 6 Quarry st., Hamilton  
 Dick, Matthew, LL.B., writer, Doonholm, Ayr  
 Dick, Richard G., M.B., King street, Burghhead

Dickie, Andrew, minister, Aberdeen  
 Dickie, Andrew B., M.A., minister, Huntly  
 Dickie, David U., M.A., B.L., writer, Glasgow  
 Dickie, Hugh, M.A., M.B., Morpeth  
 Dickie, J., M.D., Strone, by Greenock  
 Dickie, Matthew, M.A., minister, Sanquhar  
 Dickie, M. M., B.D., minister, Bristol  
 Dickie, Robert, M.A., minister, Longriggend  
 Dickie, Robt., M.A., teacher, Skelmorlie  
 Dickie, Wm., M.A., min., 1 Crown cir., Downhill  
 Dickson, Alex., M.B., Baillieston  
 Dickson, C. S., M.A., advocate, Edinburgh  
 Dickson, G., M.D., 31 Buckingham ter., Glasgow  
 Dickson, J. D. H., M.A., fellow, Peter ho., C'mbridge  
 Dickson, J. G., M.D., Newton-Stewart  
 Dickson, John, M.B., Lindley, Huddersfield  
 Dickson, Jos. H., M.B., 80 Lowther st., Whitehaven  
 Dickson, Matthew S., M.A., stu., Townhead, M'well  
 Dickson, T. S., M.A., minister, Edinburgh  
 Dickson, W. P., D.D., LL.D., professor, Glasgow  
 Dill, James R., M.A., minister, Dromore  
 Dill, Robert F., professor, Belfast  
 Dillon, A., M.D., Ballaghaderin  
 Dingwall, Alex., M.A., stud., F.C. Manse, Aultbea  
 Dinsmore, G. H. J., M.B., Coldstream  
 Dinsmore, Wm., M.B., Poyntzpass, co. Down  
 Dinwoodie, Frederick, M.D., Appleby  
 Dinwoodie, Wm., M.D., Otterburn  
 Dittmar, Fred., M.A., stu., 16 Lansdownecres., Glas.  
 Divine, Thomas, M.B., Anston, Rotherham, Yorks.  
 Doak, A., M.A., minister, Aberdeen  
 Doak, Robt. A., M.A., law stu., Schoolhouse, Neilst'r  
 Doak, Wm. F., M.A., Naut. Almanac Office, Lond  
 Dobbie, Alex. B., B.Sc., demonstrator, Fairlie  
 Dobbie, James, B.L., solicitor, Stirling  
 Dobbie, J. J., D.Sc., professor, Bangor, Wales  
 Dobbie, Thomas, minister, Glasgow  
 Dobbins, John, M.B., 35 Monteith row, Glasgow  
 Dobie, Henry E. N., M.B., Glasgow  
 Dobie, W. Jardine, minister, Kinghorn  
 Dock, Wm., M.A., rector, Dunoon  
 Dodd, Benj. H., M.A., student, St. Mary's, York  
 Dodd, John, M.B., Prestwick  
 Dodds, James, D.D., minister, Costorphine  
 Dodds, James M., M.A., Dover ho., London  
 Dodds, J. M., M.A., Fellow, Cambridge  
 Dods, Geo., B.D., minister, Barr  
 Don, John, M.A., M.B., 3 Elgin st., Clydebank  
 Donald, Archibald, M.B., 5 Gauze street, Paisley  
 Donald, David, M.D., Streatham, London  
 Donald, D. M., M.A., minister, Moulin  
 Donald, George, M.D., Leith  
 Donald, George, M.A., tch., Dechmont, Mt. Vernon  
 Donald, Hugh C., M.B., 5 Gauze street, Paisley  
 Donald, James, M.B., Glasgow  
 Donald, John, M.A., M.B., Crosshill  
 Donald, Patrick D., B.Sc., student, Kilmarnock  
 Donaldson, Alex., M.A., teacher, Stevenston  
 Donaldson, Archibald, M.D., Lauriston, Dunscore  
 Donaldson, J., M.A., minister, Fermoy  
 Donaldson, P., M.A., student, Muthill, Perth  
 Dougal, Daniel, M.D., Strathaven  
 Dougal, James, M.B., Strathaven  
 Dougall, Francis G., writer, Glasgow  
 Dougall, John, M.A., student, Hillhead  
 Dougall, John, M.D., Pollokshields  
 Dougal, J. M'P., M.D., Welburn, York  
 Dougall, Wm. T., M.B., Strathaven

- Dougan, W., M.D., 19 Royal crescent, Glasgow  
 Douglas, G. C. M., D.D., principal, Glasgow  
 Douglas, John B., M.A., writer, Glasgow  
 Douglas, John M., stockbroker, London  
 Douglas, John C., M.B., Greenock  
 Douglas, J. Charles, M.D., Whithorn  
 Douglas, Robert, M.B., Innellan  
 Douglas, R. B., M.A., stu., 18 Wilson st., Hillhead  
 Douglas, R. B., M.A., stu., 38 Burnbank gds., Glas.  
 Dove, H., B.Sc., tch., 197 St. Andrews rd., P'shlds  
 Dow, James C., M.B., Millport  
 Dow, J. G. A., M.A., teacher, Glasgow  
 Downes, Jos. L., M.B., Scalloway  
 Downie, J., B.D., min., Kilcalmonel, Kintyre  
 Downie, J. S., M.A., student, Newton-Mearns  
 Downie, James W., M.B., 4 Woodside cres., Glas.  
 Downie, Neil, M.B., 535 Eglinton street, Glasgow  
 Downie, T. T., M.B., Melbourne  
 Downie, W., M.A., M.B., Glasgow.  
 Downs, John, minister, East Kilbride  
 Downs, W. C., M.B., Loanhead, Uddingston  
 Doyle, E. A., M.B., Leigh, Lancashire  
 Doyle, Wm., M.B., Birch house, Leigh, Lancs.  
 Drennan, J. W., M.A., minister, Innerleven  
 Drew, John, M.D., Stirling  
 Drummond, A. S., M.A., writer, Glasgow  
 Drummond, David, minister, Dornoch  
 Drummond, James, M.D., S. Shields, Durham  
 Drummond, Pet., M.A., M.B., Thornhill, Dumfries  
 Drummond, R. J., B.D., 7 Chalmers st., Edin.  
 Drummond, R. S., M.A., D.D., Kelvinside  
 Dryburgh, W., B.D., minister, Monkwearmouth  
 Drysdale, John, M.A., C.A., Glasgow  
 Dubs, Fred. E., M.A., barrister, London  
 Dudgeon, John, M.D., Pekin  
 Duff, Archibald, D.D., minister, Canada  
 Duff, James K., M.A., M.B., Fulham, London, S.W.  
 Duff, James, M.A., S.S.C., Edinburgh  
 Duff, John, M.D., 35 Whitefriars, Chester  
 Duff, R. A., M.A., student, Lenzie  
 Duff, Robert S., M.A., minister, Glasgow  
 Dukes, Clement, M.A., Hackney, London  
 Dun, William G., M.D., Glasgow  
 Dunbar, M. S., M.A., missionary, Leeds  
 Dunbar, Robert P., M.D., Blackburn  
 Duncan, Alex., M.B., 23 Granville pl., Glasgow  
 Duncan, Archibald, minister, Orphir  
 Duncan, Daniel, minister, Dennistoun  
 Duncan, E., M.D., Langside road, Glasgow  
 Duncan, F. L., M.B., Stromness  
 Duncan, Geo., M.A., stu., Manse, Bridge-of-Weir  
 Duncan, George G., M.D., R.N., Finnart  
 Duncan, Hugh, B.D., min., Garturk, Coatbridge  
 Duncan, Hugh, LL.B., writer, Glasgow  
 Duncan, James, minister, Temple, Gorebridge  
 Duncan, James, M.D., 97 Causeyside, Paisley  
 Duncan, James K., minister, Glasgow  
 Duncan, John E., M.B., 23 Granville pl., Glasgow  
 Duncan, John M., advocate, Edinburgh  
 Duncan, J. M., M.A., teacher, Langbank  
 Duncan, M., M.A., stu., 27 Clarendon st., Glasgow  
 Duncan, W., M.A., minister, Doncaster  
 Duncan, William, M.D., Tyldesley  
 Duncan, W. G., B.D., minister, Biggar  
 Duncanson, J. G., M.B., 1 Victoria ter., So. Shields  
 Duncanson, J. C., M.B., Auchingramont, Hamilton  
 Dunkley, H., M.A., newspaper prop., Withington  
 Dunlop, Alexander W., M.A., M.B., Tarbet, Lomond  
 Dunlop, Douglas, M.A., student, Partick  
 Dunlop, H. B., major of militia, Barrhead  
 Dunlop, James, M.D., 18 Carlton place, Glasgow  
 Dunlop, James, M.B., 298 Bath street, Glasgow  
 Dunlop, J., M.B., Glasgow  
 Dunlop, J., M.A., M.B., Glasgow  
 Dunlop, John, M.B., Long Sutton  
 Dunlop, John, M.D., Glasgow  
 Dunlop, John, M.A., teacher, Kilwinning  
 Dunlop, Thomas, M.B., Thornhill, Dunfermline  
 Dunlop, Thomas C., M.D., Glasgow  
 Dunlop, W., minister, 29 Melville st., Polloksh'ds  
 Dunlop, William, M.B., Glasgow  
 Dunlop, Wm., M.A., min., U.P. Manse, Buckhav'n  
 Dunn, J. D., missionary, Old Cassop, Ferryhill  
 Dunn, John P., M.B., 5 Douglas street, Glasgow  
 Dunn, Thomas B., M.B., B.D., London, N.  
 Dunn, Thomas S., M.B., Glasgow  
 Durrant, James, M.A., minister, Willesden  
 Dyer, Henry, M.A., D.Sc., C.E., Dowanhill  
 Dykes, Alexander B., M.A., minister, Gorebridge  
 Dykes, J., minister, Bent, Lesmahagow  
 Dykes, Thomas, LL.B., writer, Glasgow  
 Dykes, Thomas, D.D., minister, Ayr  
 Dymock, J., M.A., minister, Kemnay  
 Dysart, J., M.D., Port-Glenone, Ireland  
 Eadie, John M., M.B., Sandhurst, Australia  
 Eaglesham, D., M.A., student, Mauchline  
 Eason, James, M.A., min., 7 Keir st., Pol'kshields  
 Easton, David, M.D., Stranraer  
 Easton, M. G., M.A., D.D., minister, Darvel  
 Easton, W. C., B.Sc., ap. civ. eng., Redholm, Hel'gh  
 Eaton, John, M.D., Cleator Moor  
 Eatwell, William C. B., M.D., London, W.  
 Ecklin, William, M.B., Mortlake, London  
 Eddowes, J. H., M.D., Loughborough  
 Edgar, John, M.A., classical master, Edinburgh  
 Edgar, John, M.A., B.Sc., M.B., Glasgow  
 Edgar, Robert, M.A., minister, Newburgh  
 Edgar, Robert, M.A., tch., 4 Kelvingrove st., Glas.  
 Edington, Geo. H., M.B., 14 Buckingham ter., H'head  
 Edmond, John, D.D., minister, London, N.  
 Edwardes, D. E., M.A., rector of Hodgeston  
 Edwards, E. D., M.A., Pontypridd  
 Elder, Andrew, minister, Paisley  
 Elder, George, M.D., Nottingham  
 Elder, John L., M.A., minister, Coldstream  
 Elder, R., D.D., minister, Edinburgh  
 Elgar, Francis, LL.D., naval architect, 101  
 Inverness ter., Bayswater, London, W.  
 Elles, M. Jamieson, merchant, Oporto  
 Elliot, L. D., M.A., minister, Portadown  
 Elliott, Robert, B.Sc., surveyor, Glasgow  
 English, W. W., M.A., D.C.L., ex-rector, London  
 Erskine, James, M.A., M.B., Glasgow  
 Erskine, Wm. D., M.B., Maryfield, Kirn  
 Evans, Alfred E., M.B., Skipton, Yorks  
 Evans, E. K., M.A., prof., Univ. College, Bangor  
 Evans, George, M.A., minister, Chesterfield  
 Evans, T. B., M.A., min., Heywood, Lancashire  
 Evans, U. W., M.D., Clifton, Bristol  
 Evans, W., M.A., minister, Pembroke Dock  
 Evans, W. L., M.A., student, Llanworda  
 Evanson, Morgan, B.Sc., clergy, Bridgend, Glam.  
 Everett, J. D., M.A., D.C.L., professor, Belfast  
 Fairbairn, W. D., M.A., min., Eccles, Manchester



- Fairley, J. D., LL.B., solicitor, Motherwell  
 Fairlie, Archibald, M.A., M.B., Dunfermline  
 Fairlie, H. A., minister, Kirkmichael  
 Falconer, John, minister, Ettrick  
 Falconer, W., minister, Ferry-Port-on-Craig  
 Farquhar, J., M.A., minister, Paisley  
 Farquharson, Alex. C., M.D., Lichfield  
 Farquharson, James D., M.B., Newcastle-on-Tyne  
 Faulds, Arch. G., M.B., 136 Stirling rd., Glasgow  
 Fawns, Thos. W., M.A., tch., 43 Seamore st., Glas.  
 Fedarb, Fred., M.B., Southsea, Hants  
 Fenton, Henry A., M.B., Doncaster  
 Fenwick, Jas., B.Sc., C.E., Belmore, Sydney, N.S.W.  
 Fenwick, W., M.D., Pollokshields  
 Fergus, Andrew F., M.D., Glasgow  
 Fergus, John, M.D., Cape Colony  
 Fergus, John F., M.A., M.B., Glasgow  
 Fergus, J. M., M.A., student, Govanhill  
 Fergus, Robert M., M.A., student, Glasgow  
 Fergus, Wm. H., M.B., Thropton Manse, Morpeth  
 Ferguson, A., minister, North Knapdale  
 Ferguson, A. R., M.B., 1 Alexandra st., Partick  
 Ferguson, Archibald, writer, Glasgow  
 Ferguson, Archibald D., M.A., solicitor, Greenock  
 Ferguson, Archibald, minister, Alyth  
 Ferguson, Daniel, M.A., student, Paisley  
 Ferguson, David, minister, Lochluichart  
 Ferguson, Donald, M.A., M.B., Morven  
 Ferguson, Duncan, M.A., student, Fairlie  
 Ferguson, Fergus, D.D., minister, Glasgow  
 Ferguson, Fergus, D.D., minister, Crosshill  
 Ferguson, F. P. R., B.L., writer, Glasgow  
 Ferguson, G., B.L., writer, 6 Moray pl., Glasgow  
 Ferguson, Geo. G., M.B., 34 Windsor ter., Glas.  
 Ferguson, Hugh, M.A., Upper Norwood  
 Ferguson, James, physician, Richmond, Surrey  
 Ferguson, James, M.B., Perth  
 Ferguson, J. T., M.A., minister, Cupar-Fife  
 Ferguson, John, M.A., LL.D., professor, Glas.  
 Ferguson, J., M.A., minister, Aberdalgie  
 Ferguson, J. H., M.A., minister, Liverpool  
 Ferguson, John L., B.L., writer, Glasgow  
 Ferguson, Joshua, M.A., stu., Enfield ho., Cro'hill  
 Ferguson, M. T., M.A., j'r'n'list, 12 E. Mountrd., York  
 Ferguson, Peter, M.A., teach., High Sch., Falkirk  
 Ferguson, Peter, M.B., Pollokshields  
 Ferguson, Robert, M.D., Kilbirnie  
 Ferguson, Robert T., M.B., Anstruther  
 Ferguson, W., minister, Fossoway  
 Ferguson, Wm. B. O., M.B., Benburb, Lenzie  
 Fergusson, David, B.L., solicitor, Ayr  
 Fergusson, Sir James, Bart., M.P., of Kilkerran  
 Fergusson, Wm., B.L., writer, Partick  
 Fernandez, T. F., M.D., Ross, Hereford  
 Ferrier, R. M., B.Sc., lect'r, Col. of Sc., N'cle-on-Tyne  
 Ferries, John, Edinkillie, Forres  
 Fielding, T., M.D., Blandford, Dorset  
 Findlay, A. R., minister, Kilmarie  
 Findlay, Andrew, M.B., Fernielea, Darvel  
 Findlay, Harry, M.B., 189 High st., London, N.  
 Findlay, J., M.D., Castle-Douglas  
 Findlay, James, merchant, Kensington  
 Findlay, James, M.A., writer, Glasgow  
 Findlay, James, M.B., Workington  
 Findlay, Jas., M.B., 23 Hyndland street, Partick  
 Findlay, J. C., M.A., stu., 4 Rowallan quad., K'nside  
 Findlay, John, minister, St. Oswald's, Kilmacolm  
 Findlay, J. A., M.A., minister, Sprouston, Kelso  
 Findlay, W. S., M.A., stu., 11 Stonefield ter., Glas.  
 Findlay, Wm., M.D., Westercraigs, Glasgow  
 Findlay, W., M.A., adv., 30 Buckingham ter., Edin.  
 Findlay, W., B.L., writer, 226 W. George st., Glas.  
 Finlay, D. W., M.D., prof., Marischal Coll., Ab'rd'  
 Finlay, David, M.D., Bridgend, Glamorgan  
 Finlay, H., M.D., minister, Queensland  
 Finlay, James, M.D., Helensburgh  
 Finlayson, H. W., M.B., 109 Sandyford st., Glas.  
 Finlayson, James, M.D., 2 Woodside pl., Glasgow  
 Finlayson, J., M.A., teac., 2 Darnley ter., Sh'l'nds  
 Finucane, D., M.D., Devonport  
 Fisher, A. B., M.A., 33 Westmoreland st., Cr'hill  
 Fisher, C. H., M.D., Sittingbourne  
 Fisher, Frederick B., M.D., London, N.  
 Fisher, J., M.B., Blarghour, Ford, Lochgilphead  
 Fisher, J. S., M.A., student, Glasgow  
 Fisher, J. D., minister, Aberlemno  
 Fisher, M. W., M.D., Portarlington  
 Fitzhenry, E. H., M.D., Waterloo, Liverpool  
 Fitzpatrick, J., minister, Lisburn  
 Fleck, W. S., M.A., minister, Fairlie  
 Fleming, A. G., minister, Castlehead, Paisley  
 Fleming, Archibald, minister, Perth  
 Fleming, A., M.A., teacher, Lossiemouth  
 Fleming, Chas. F., B.D., minister, Middlesborough  
 Fleming, David, minister, Coxhoe, Durham  
 Fleming, Jas. B., writer, Beaconsfield, Kelvinside  
 Fleming, James, minister, Whithorn  
 Fleming, J., M.A., min., Kettins, Coupar-Angus  
 Fleming, J., LL.B., writer, Glasgow  
 Fleming, John, M.A., C.E., Spain  
 Fleming, John, writer, Glasgow  
 Fleming, John, minister, Newtyle  
 Fleming, John T., M.A., tch., 151 Pollok st., Glas.  
 Fleming, Joseph M., M.D., Edinburgh  
 Fleming, R. S., M.A., minister, Beckenham  
 Fleming, Thomas, M.B., Lochfield, Darvel  
 Fleming, T. M'C., M.A., minister, Cupar-Fife  
 Fleming, W., minister, Edinburgh  
 Fleming, Wm. James, M.D., Glasgow  
 Fletcher, Isaac, M.B., John street, Workington  
 Fletcher, J. Corbet, M.D., London  
 Flett, Oliver, D.D., minister, Paisley  
 Flint, A., M.A., tch., Springhill ter., Crossmylloe  
 Flint, Robert, D.D., LL.D., professor, Edinburgh  
 Flower, J. E., M.A., secretary, London  
 Fogo, D., LL.D., Edgecliffe, St. Andrews  
 Fogo, G. L., M.A., minister, Forthoswald  
 Forbes, John T., M.A., min., Newcastle-on-Tyne  
 Forbes, R. T., M.B., Breaston, Derby  
 Ford, G. J., M.A., tch., 14 Otago st., Hillhead  
 Forman, R. H., M.B., surg. maj., London, S.W.  
 Forrest, A., M.A., M.B., 6 Whitevale st., Glasgow  
 Forrest, D. W., M.A., min., New Manse, Moffat  
 Forrest, John, M.D., Motherwell  
 Forrest, R. Wardrop, M.D., Glasgow  
 Forrest, Thos., M.B., Belvidere Hospital, Glasgow  
 Forrest, Sir W., Bart., late captain, Comiston  
 Forrester, Andrew, W.S., Edinburgh  
 Forrester, Wm. R., M.B., Gleneden, Lenzie  
 Forsyth, Alexander, M.D., Greenwich  
 Forsyth, David, M.A., D.Sc., Principal, Leeds  
 Forsyth, H. A., teacher, Whitburn  
 Forsyth, J., M.A., B.Sc., 21 Gibson st., Hillhead  
 Forsyth, Robert, M.D., Birstall, Leeds  
 Fotheringham, D. H., M.A., M.B., Glasgow  
 Fotheringham, John, M.B., Motherwell

- Fox, Walter, M.B., 189 High st., Stoke Newington, London, N.  
 Frame, David, M.A., M.B., Carstairs  
 Francis, David L., M.A., minister, Raith  
 Fraser, Alexander, M.B., professor, Dublin  
 Fraser, Alexander R., M.A., M.B., Lochgilphead  
 Fraser, C. F. P., LL.B., stu., 2 Grosvenor cr., Glas.  
 Fraser, D., M.A., LL.D., Airedale Coll., Bradford  
 Fraser, Donald, M.D., Paisley  
 Fraser, John, minister, Brechin  
 Fraser, J., M.A., M.D., Wolverhampton  
 Fraser, Matthew P., LL.B., writer, Glasgow  
 Fraser, Norman, B.D., min., Saffronhall, Hamilton  
 Fraser, Peter, M.D., Leyland, Preston  
 Fraser, Robert M., M.A., student, Kilbarchan  
 Fraser, Simon, M.A., teacher, Rosevale Sch., P'rtick  
 Fraser, W., M.B., Manchester  
 Fraser, W. G., minister, Sutton, Chester  
 Frazer, J. G., M.A., Fellow, Cambridge  
 Frazer, Joseph M., B.D., prob., Strathbungo  
 Free, R. W., M.A., Cl. in Holy Orders, London, N. W.  
 Freebairn, J. B., M.A., teacher, Glasgow  
 Freebairn, Robert J., M.B., Newfoundland  
 Freeland, Andrew, M.D., Liverpool  
 Freeland, John, M.A., minister, Innerwick  
 Freeland, R., M.D., Broxburn  
 Frew, Alexander, M.B., Hillhead, Glasgow  
 Frew, David, B.D., minister, Urr, Dalbeattie  
 Frew, James F., M.B., Ellenbank, Strathaven  
 Frew, John, M.B., 15 Hayburn crescent, Partick  
 Friskin, Charles, minister, Spennymoor  
 Fryer, W. F., M.D., Clonburrin, Ireland  
 Fullarton, A. C., minister, Glasgow  
 Fullarton, W., M.A., minister, Dalton  
 Fullarton, Archibald, minister, Greenock  
 Fullarton, Gavin, Kerelaw, Stevenston  
 Fullarton, James, M.A., med. stud., Brodick  
 Fullarton, J. H., M.A., D.Sc., Edinburgh  
 Fullarton, Neil, M.B., Lamblash, Arran  
 Fullarton, Robert, M.A., clerk, Kilmalcolm  
 Fullarton, T., minister, Mainsriddell  
 Fullarton, W. P., LL.B., writer, 128 St. Vincent street, Glasgow  
 Fullarton, W. W., M.B., Ballantrae  
 Fulton, A. B., M.B., Muirkirk  
 Fulton, G. C. H., M.B., South Eston, Middlesbro  
 Fulton, Robt., M.A., stu., Crossbrae, Kilwinning  
 Fulton, T., M.D., Saintfield, co. Down  
 Fulton, Wm., M.B., Beechgrove, Kilbirnie  
 Fulton, W., M.A., teacher, Govan  
 Fulton, William, M.A., minister, Coatbridge  
 Fyfe, Charles J., M.B., Royal Infirmary, Glasgow  
 Fyfe, Henry B., B.L., writer, Glasgow  
 Fyffe, Edward H., M.B., Fitzroy, Melbourne  
  
 Gaff, James D., M.D., London, S.E.  
 Gairdner, W. T., M.D., LL.D., F.R.S., prof., Glasgow  
 Galagher, J., M.A., minister, Belfast  
 Galbraith, Alexander, M.B., Dalrymple  
 Galbraith, A., minister, Brighouse  
 Galbraith, J. S., B.L., writer, Glasgow  
 Galbraith, Robert S., B.Sc., C.E., Glasgow  
 Galbraith, W. G., M.A., B.L., writer, Glasgow  
 Galbraith, W. S., law clerk, Glasgow  
 Gallie, C. Pinel, M.B., London, S.E.  
 Galloway, Allan, M.D., Greenock  
 Galloway, J., M.A., South Shackelwell  
 Galloway, John, M.B., Rhayader, Radnor  
 Galloway, J., M.A., minister, Kintore  
 Galloway, T. L., M.A., M.E., Campbeltown  
 Galloway, W. B., M.A., minister, London  
 Galt, Alex., B.Sc., Phys. Lab., Univ., Glasgow  
 Galt, Hugh, M.B., Main street, Kilmaurs  
 Galt, W. A., B.D., minister, Walsall  
 Garde, H. C., M.D., surgeon-major, Youghall  
 Gardiner, H. N., M.B., Ashton villa, Shawlands  
 Gardiner, J. A., minister, Langside  
 Gardiner, John, M.D., Brighton  
 Gardiner, J., chaplain, Barnhill, Glasgow  
 Gardiner, J., M.A., minister, Macduff  
 Gardiner, Peter, M.B., 9 Ashfield place, Hillhead  
 Gardiner, W., M.D., Ashton-under-Lyne  
 Gardner, David, M.B., Paisley  
 Gardner, James, M.B., Roynet, Oldham  
 Gardner, M. H., M.A., student, Campbeltown  
 Gardner, Robert, B.D., prob., Galashiels  
 Gardner, Robert I., M.B., 227 Bath st., Glasgow  
 Gartshore, J. F., M.A., student, Cathcart  
 Garvie, Alf. E., M.A., minister, Macduff  
 Gay, Herbert M., M.B., Kelvinside  
 Gebbie, Francis, sheriff-substitute, Dumbarton  
 Gebbie, James, writer, Strathaven  
 Geddes, R. J., M.B., Jersey  
 Gell, John M., M.B., Macclesfield  
 Gelston, Robert R., M.D., Limerick  
 Gemmell, Alex., M.A., teacher, Montrose  
 Gemmell, Andrew, M.A., teacher, Valparaiso  
 Gemmell, Andrew, B.D., minister, Ford  
 Gemmell, H., B.D., minister, Johnstone  
 Gemmell, H.S., M.A., st'kbroker, 40 W. Nile st., Glas.  
 Gemmell, James, M.D., Dunoon  
 Gemmell, J. F., M.B., Dunoon  
 Gemmell, John, M.A., stud., 66 Sneddon st., Paisley  
 Gemmell, John, stipendiary magistrate, Glasgow  
 Gemmell, J., M.A., teacher, Glasgow  
 Gemmell, J. W., M.A., teacher, Kelvinside  
 Gemmell, Samson, M.D., 17 Woodside pl., Glas.  
 Gemmell, T. P., M.B., Airdrie  
 Gemmell, William, M.B., Hornsey, London, N.  
 Gemmell, Wm., M.B., Wallace street, Galston  
 Gemmel, W. B., M.A., writer, Hillhead  
 Gemmill, Jas. F., M.A., stu., Parklea, Dumbreck  
 Gemmill, William, M.B., Beith  
 Gentle, Jas. A., M.B., 35 Marchmont cres., Edin.  
 Gentles, A., M.A., stu., 21 Campbell st., Maryhill  
 Gentles, Harry W., M.B., Abbey Manse, Paisley  
 Gentles, T. A., LL.B., writer, Abbey Manse, Paisley  
 George, J. A., M.A., minister, Montrose  
 Gibb, William, M.B., Glasgow  
 Gibb, William F., M.D., Paisley  
 Gibbs, E. J., M.A., London, S.E.  
 Giblin, Wm. J., M.B., 162 New City rd., Glasgow  
 Gibson, Edwin A., M.B., Manse, Glenapp, Ayrshire  
 Gibson, G. A., M.A., univ. assistant, Kelvinside  
 Gibson, Henry, M.A., minister, Glenapp  
 Gibson, James, M.A., teacher, Glasgow  
 Gibson, J., M.B., Westvale, Halifax  
 Gibson, J. A., B.L., writer, 58 Renfield st., Glas.  
 Gibson, J. D. W., B.D., minister, Carmichael  
 Gibson, John, M.A., teacher, Baldernock  
 Gibson, J. B., M.D., Irvine  
 Gibson, John C., M.A., min., 36 Windsor ter., Glas.  
 Gibson, J. M'D., advocate, Edinburgh  
 Gibson, John R., M.D., Lennoxton  
 Gibson, Robert, minister, Old Cathcart  
 Gibson, W. J., M.A., stu., Routenburn Lodge, Largs

- Giffen, A. B., M.A., student, Crosshill, Glasgow  
 Giffen, Cornelius, minister, Edinburgh  
 Giffen, Mungo, minister, Edinburgh  
 Gifford, James, M.A., student, Cumbernauld  
 Gilbert, John, B.D., minister, Howwood  
 Gilchrist, E. J., B.D., minister, Ipswich  
 Gilchrist, Jas., M.B., 644 Gallowgate st., Glasgow  
 Gilchrist, Robert, minister, Shotts  
 Gilchrist, R. M., M.B., Bolton-le-Moors  
 Gilchrist, William, M.D., London  
 Gilfillan, J., M.A., stu., Hamilton drive, Hillhead  
 Gillan, David H., B.D., probationer, Hamilton  
 Gillan, George G., M.A., Manse, Carmunnock  
 Gillan, John, M.A., stu., Schoolhouse, Inkermann  
 Gillespie, James, M.B., Craighields, Skelmorlie  
 Gillespie, J. H., M.A., stu., 5 Seton ter., Glasgow  
 Gillespie, John, M.A., minister, Mouswald  
 Gillespie John P., M.B., 248 Sauchiehall st., Glas.  
 Gillespie, William, minister, Edinburgh  
 Gillies, D., minister, Bernera, Lochmaddy  
 Gillies, Hugh C., M.B., Brockley, Kent  
 Gillies, John, M.A., student, Stonefield, Rothesay  
 Gillies, Malcolm, M.B., Easdale, by Oban  
 Gillies, William, minister, Edinburgh  
 Gillison, H. T., B.D., prob., F.C. Manse, Fossoway  
 Gilmore, S., physician, Castle Blayne  
 Gilmour, Adam, M.D., Duntocher  
 Gilmour, John, minister, Hamilton  
 Gilmour, John, M.B., The Craigs, Duntocher  
 Gilmour, William M., M.D., Govan  
 Gilroy, James, M.B., Waterbeck, Ecclefechan  
 Gilroy, Robert C., M.B., Neilston  
 Girvan, David W., M.B., Whitehall, Maybole  
 Girvan, Hugh, M.D., Whitehall, Maybole  
 Girvan, John, minister, Maryhill  
 Gladstone, James M. R., M.A., stu., 38 Lansdowne crescent, Glasgow  
 Glaister, John, M.D., 4 Grafton place, Glasgow  
 Glaister, Jos. N., M.B., 4 Grafton place, Glasgow  
 Glaister, Richard, B.D., probationer, Lanark  
 Gledhill, J., M.B., Broughton, Manchester  
 Glen, James, M.D., Southbank, Yorkshire  
 Glen, James, M.A., 32 Berkeley ter., Glasgow  
 Glen, John, M.B., Grangetown, Yorks  
 Glen, Ninian, M.A., B.Sc., C.A., Glasgow  
 Glendinning, James, M.D., Abergavenny  
 Glover, M., M.A., teacher, Lesmahagow  
 Goff, Bruce E., M.B., 2 Belgrave ter., Brighton  
 Goff, Bruce, M.D., Bothwell  
 Goff, John, M.D., Bothwell  
 Goldie, Andrew, M.A., minister, Glenisla  
 Goldie, Andrew, M.B., 2 Handolph terrace, Ayr  
 Goldie, T., M.A., minister, U. P. Manse, Newlands  
 Goodfellow, J. A., M.B., New Brimpton, Ch'sterfield  
 Goold, James, minister, Newton-Stewart  
 Goold, Marshall N., minister, Dumfries  
 Gordon, Alex., M.A., student, Egremont  
 Gordon, C. M., M.A., stu., 8 Kirk Place, St. Andrews  
 Gordon, George, M.B., Helmsdale  
 Gordon, Henry, of Moatbrae, Dumfries  
 Gordon, James, minister, Twynholm  
 Gordon, James, M.B., Coatbridge  
 Gordon, John D., M.B., Selby, Yorks.  
 Gordon, Robert P. R., M.A., student, Tain  
 Gordon, T., B.D., min., Edgerston, Jedburgh  
 Gordon, William, M.B., Glasgow  
 Gordon, W. I., M.A., minister, Tongland  
 Gorrie, James, minister, Sorbie  
 Gotto, Arthur, B.Sc., C.E., Princes Dock, Belfast  
 Gould, George P., M.A., professor, London  
 Gourlay, Jas., B.Sc., engineer, 11 Crown gar., Glas.  
 Gourlay, R., M.B., Oldham  
 Gourley, Samuel, M.D., West Hartlepool  
 Govan, Horace E., M.A., student, So. Park, Hillhead  
 Gow, William, M.A., Ph.D., underwriter, Liverpool  
 Gowan, A. T., M.A., D.D., Dalkeith  
 Gowan, James, M.B., Broughty-Ferry  
 Gracie, Farquhar, M.B., Roshven, Moidart  
 Graham, Andrew, M.B., 12 Derby st., Glasgow  
 Graham, J., M.A., minister, Armo  
 Graham, James, LL.D., writer, Glasgow  
 Graham, James, minister, Broughty-Ferry  
 Graham, James, minister, Glasgow  
 Graham, J., jun., B.L., writer, Glasgow  
 Graham, James D., M.A., teacher, Ayr  
 Graham, J. G., M.A., M.B., Partickhill  
 Graham, James T., minister, Dumbreck, Govan  
 Graham, John, M.B., Pollokshields  
 Graham, J., lieutenant-colonel, Haverford West  
 Graham, John T., M.D., Perth  
 Graham, M. H., minister, Maxton manse  
 Graham, R., M.A., D.D., Kilbarchan  
 Graham, Thomas, M.D., Paisley  
 Graham, Thomas, Leamington  
 Graham, Thomas D. C., Stewarton  
 Graham, T., B.L., solicitor, Edinburgh  
 Graham, Wm., J.P., C.A., Erines, Tarbert  
 Graham, Wm., M.A., writer, Glasgow  
 Grahame, Jas., C.A., 93 Hope st., Glasgow  
 Grange, J. W., M.D., Kersal, Manchester  
 Granger, John Ross, M.B., Glasgow  
 Granger, William, M.A., minister, Ayr  
 Grant, Chas. C., M.B., 3 Bellevue ter., Edinburgh  
 Grant, C. M., M.A., minister, Dundee  
 Grant, David, M.B., Amoy, China  
 Grant, Fran. L., M.A., teac., 298 St. Vincent st., Glas.  
 Grant, J. B., B.D., min., 278 Bath st., Glasgow  
 Grant, Ja. H., M.A., stu., 3 Hillsidegds., Partickhill  
 Grant, J., B.L., law clk., 298 St. Vincent st., Glas.  
 Grant, Peter N., M.B., Queensbury, Bradford  
 Grant, William, M.B., Blantyre  
 Gray, Adam, M.A., minister, Kirm  
 Gray, Albert A., M.B., Fir Bank, Pollokshields  
 Gray, Alex., M.B., Barkerend road, Bradford  
 Gray, A., M.A., LL.D., minister, Belfast  
 Gray, Alex., M.A., min., Beacon st., Penrith  
 Gray, Alexander H., M.D., Lanark  
 Gray, Alex. M., B.L., 1 Eton gardens, Hillhead  
 Gray, And., M.A., teacher, Craigholm, Milngavie  
 Gray, Andrew, minister, Castle Road, Cathcart  
 Gray, Andrew, M.A., professor, Bangor, Wales  
 Gray, And., M.B., Riverside ho., Old Cumnock  
 Gray, Chas., M.B., 72 Stephen st., Salford  
 Gray, David, M.A., Gartloch  
 Gray, David C., M.B., 1 Eton gardens, Hillhead  
 Gray, Donald, minister, Saltcoats  
 Gray, Donald, M.A., minister, Logie, Cupar-Fife  
 Gray, Harry St. C., M.D., 15 Newton ter., Glas.  
 Gray, James, B.D., minister, Cathcart  
 Gray, J. H., M.A., stu., 16 Craigmore ter., Downhill  
 Gray, J. Roderick, M.D., Liverpool  
 Gray, John, B.D., minister, Irvine  
 Gray, John, M.A., student, Stonehouse  
 Gray, John, M.A., minister, Baillieston  
 Gray, John G., M.B., 63 Abbotsford pl., Glasgow  
 Gray, Robert, minister, Edinburgh



- Gray, Wm. L., M.B., Ibroxholm  
 Green, Edw. F. S., M.B., S. Norwood, Lond., S.E.  
 Green, G. K., M.A., stu., 46 St. Vincent cr., Glas.  
 Green, John A., M.B., Galston  
 Green, T. W., M.D., Rawtenstall  
 Greener, Michael H., M.B., Cardiff  
 Greenhill, Robt., M.B., Dalmarnock rd., Glasgow  
 Greenhorne, W., M.A., teacher, Partick  
 Greenlees, Gavin, merchant, Mount Florida  
 Greenshields, J., B.D., min., F.C., Muirkirk  
 Greenshields, John B., of Kerse, Lesmahagow  
 Greenshields, R., M.A., stu., Thomaston st., Liverpool  
 Gregory, Alex., M.A., minister, Wooler  
 Gregory, T., M.A., minister, Kilmacolm  
 Gregson, Thomas W., M.B., Blackburn  
 Greig, George, minister, Fairlie  
 Greig, John, M.A., teacher, Inverlay, Tayport  
 Greig, Thomas H., minister, Biggar  
 Grier, Wm. F., M.B., Sunnybank ho., Aberdeen  
 Grieve, J. M., M.A., stu., 52 Holmhead st., Glasgow  
 Grieve, John, M.A., M.D., Glasgow  
 Grieve, Robert, M.D., Kensington  
 Grieve, Robt., M.A., stud., 52 Holmhead st., Glas.  
 Grieve, W., M.B., Barrow-in-Furness  
 Grigsby, W. E., M.A., student, Oxford  
 Griffith, Griffith R., M.B., Carnarvon  
 Griffith, W. M., M.A., h'dm str., Clynog, Carnarvon  
 Griffiths, J. H., M.A., student, Treorchy  
 Grime, John, M.D., Blackburn  
 Grime, Thomas J., M.D., Hawes, Bedale  
 Groome, Walter, M.B., Ellesmere Pk., Eccles  
 Gross, Reuben, M.D., London  
 Grosvenor, Wm. C., M.A., student, Dennistoun  
 Guinness, A. G., M.D., Oxford  
 Gunn, Arch., M.B., 362 New City Road, Glasgow  
 Gunn, Daniel, M.A., minister, Dumbarton  
 Gunn, John, M.B., Marlborough, N. Z.  
 Gunson, E. S., M.A., stu., Regent park, Glasgow  
 Gupta, Pyari Mohan, M.B., London  
 Guthrie, G., LL.B., writer, 4 Blythswood sq., Glas.  
 Guthrie, Hugh M., M.A., stu., Mid. Temple, London  
 Guthrie, James, cashier, Glasgow  
 Guthrie, T. O., M.B., Glasgow  
 Guthrie, W., LL.D., sheriff-substitute, Glasgow  
 Guy, John C., LL.B., advocate, Edinburgh  
 Guy, Robert, M.B., Montgreenan, Irvine  
  
 Hadden, David, M.D., Falkirk  
 Haddow, George, M.B., Birmingham  
 Haddow, Robert W. T., M.B., Birmingham  
 Haig, Thos. A., M.B., East Park, Kilmacolm  
 Hair, James, M.D., Brinklow, Coventry  
 Hake, Thomas G., M.D., London, S.W.  
 Haldane, Wm., M.D., Bridge-of-Allan  
 Halket, George, M.D., Glasgow  
 Hall, Andrew J., M.A., M.D., Rothesay  
 Hall, C. H., M.B., 62 Queen's rd., Watford, Herts  
 Hall, Hector, M.A., minister, Glasgow  
 Hall, John, M.D., Hornsey Rise, London  
 Hall, John, minister, Fenwick  
 Hall, Wm., M.A., student, Bearsden  
 Hallett, Charles H., M.B., Castle ho., Axminster  
 Halliday, Andw., M.B., Brandon Colliery, Durh'm  
 Halliday, Robt. T., M.B., 2 Causeyside, Paisley  
 Hallinan, Daniel, M.D., Longton  
 Hally, G., M.A., sc'lm str., Harmony Row Sch. Govan  
 Hamilton, A., D.D., minister, Brighton  
 Hamilton, Adam, M.B., Saltcoats  
 Hamilton, A.M., M.A., law ap., 7 Woodside ter., Glas.  
 Hamilton, D., 33 Bothwell place, Hillhead  
 Hamilton, Gavin, ex-rector, Elgin  
 Hamilton, G., clerk, Kirkeudbright  
 Hamilton, H., M.A., stu., Greenbill, Bonnybridge  
 Hamilton, H. A., D.D., minister, Hamilton  
 Hamilton, H. M., M.A., stu., Albert cot., Saltcoats  
 Hamilton, H.C., LL.B., 1 N. Park. ter. Hillhead  
 Hamilton, J., M.A., minister, Lanark  
 Hamilton, James, M.A., stu., Schools, Shrewsbury  
 Hamilton, James, M.B., Glasgow  
 Hamilton, J. M., B.D., student, Glasgow  
 Hamilton, J., M.A., minister, Campsie, Omagh  
 Hamilton, J. B., B.D., teacher, Edinburgh  
 Hamilton, John T., M.D., Dublin  
 Hamilton, Richard, M.B., 87 Whifflet st., Co'tbridge  
 Hamilton, Robert, M.B., Bradford  
 Hamilton, Robert, M.B., Bradford  
 Hamilton, Robert, M.A., teacher, 6 Bath pl., Ayr  
 Hamilton, Thos., M.B., 65 Cadder st., Pollokshields  
 Hamilton, W., stockbroker, Glasgow  
 Hamilton, William, M.A., minister, Dundee  
 Hamilton, William C., M.B., Ardrossan  
 Hamilton, W. T., M.B., South Africa  
 Hannan, Thomas, M.A., clergyman, Musselburgh  
 Hannah, Wm. T., M.B., Buxton  
 Hannay, David, auditor of Fac. of Procurators, 184  
 W. Regent st., Glasgow  
 Hannington, Robert, M.B., Glasgow  
 Hanson, George, M.A., minister, Springburn  
 Hanson, John, M.A., min., 4 Broomp'k ter., Glas.  
 Hardie, J., M.A., teacher, London, W.  
 Hardie, John, M.B., 45 Apsley place, Glasgow  
 Hardie, John, M.D., Glasgow  
 Hardie, W. W., M.A., prob., Glasgow  
 Hare, Frederick, M.B., Gladstone street, Crook  
 Hargreaves, Edmund, M.D., Sheffield  
 Hargreaves, Mark K., M.D., London  
 Harley, John H., M.A., law student, 37 Wallace  
 street, Stirling  
 Harmar, Robert, M.D., Richmond  
 Harper, A.R., B.L., writer, Oakshawhead ho., P'sl'y  
 Harries, Henry, M.A., minister, Clifton, Bristol  
 Harris, David, M.B., Ffösmaen, Carmarthen  
 Harris, Samuel C., M.B., 6 St. James ter., Hillhead  
 Harrison, John, M.B., Lesmahagow  
 Harrison, J. A., M.D., Haslingden  
 Harrison, John A., M.B., Haslingden  
 Harrison, John H., M.A., teac., 154 Albert st., Gl.  
 Hart, Archibald, minister, Dunblane  
 Hart, James, M.A., student, Edinburgh  
 Hartley, James B., M.B., 7 Dalblair road, Ayr  
 Harvey, J., M.A., teacher, Glasgow  
 Harvey, J., LL.B., adv., 63 Frederick st., Edin.  
 Harvey, John, merchant, London  
 Harvey, Robt., M.A., inspector of schools, Glasg.  
 Harvey, T., M.A., late teacher, Tain  
 Haseler, R., M.A., minister, Stirchley, Birmin'm  
 Hastie, John S., M.A., tch., Flowerhill st., Airdrie  
 Hastings, Walter B., M.B., Lamash, Arran  
 Haworth, Edwin, M.B., Oswaldtwistle  
 Haworth, Frederick G., M.B., Darwen  
 Hawthorne, C. O., M.B., 4 St. Mary's place, Glas.  
 Hay, Alexander, M.D., Grange, Maryhill  
 Hay, Arch. G., M.A., student, Grange, Maryhill  
 Hay, J. A. R., probationer, Glasgow  
 Hay, James, minister, Kirn  
 Hay, John, M.D., Shawlands

- Hay, John, M.A., minister, Glasgow  
 Hay, Patrick R., M.D., Ballymena  
 Hay, Robert, M.A., student, Glasgow  
 Hay, Thos. W., M.B., Bebside, Newcastle-on-Tyne  
 Hay, Walter, M.B., London, N.  
 Hay, Wm., M.A., stu., Levensgrove ter., D'barton  
 Hay, William, B.D., min., 22 Grosvenor pl., Hillhead  
 Haycroft, N., M.A., D.D., Leicester  
 Haydon, E. W., M.B., 47 Humberstone rd., L'cster  
 Haydon, W. R., M.B., Tiverton  
 Headrick, John, minister, Sandbank  
 Hedderwick, A. W., M.A., student, Hillhead  
 Hedderwick, T. C., M.A., barrister, London  
 Heilly, Joseph, M.D., Roscommon  
 Henderson, Aeneas, M.B., 12 York place, Perth  
 Henderson, A. C., B.D., minister, Dundee  
 Henderson, A., M.A., D.D., minister, Crieff  
 Henderson, Chas. A., M.B., 45 Langside rd., Cr'll  
 Henderson, Elias, minister, Belford  
 Henderson, F., M.D., Glasgow  
 Henderson, George, M.A., 9 Clissold rd., London, N.  
 Henderson, G. G., D.Sc., professor, Glasgow  
 Henderson, H. F., M.A., minister, Beith  
 Henderson, James, M.A., teacher, Glasgow  
 Henderson, James, M.A., student, Lockerbie  
 Henderson, J. B., B.Sc., stu., 39 Kers' d ter., Hillh'd  
 Henderson, John, M.A., student, Glasgow  
 Henderson, John, M.A., Glasgow  
 Henderson, John C., M.B., Partick  
 Henderson, John H., M.B., Adelaide  
 Henderson, John W., B.D., minister, Perth  
 Henderson, Joseph, M.A., artist, Glasgow  
 Henderson, R., chaplain, Punjaub, East Indies  
 Henderson, Robert H., M.B., 19 Elmbank pl., Glas.  
 Henderson, Thomas B., M.D., Glasgow  
 Henderson, Thomas M., M.D., London  
 Henderson, William T., minister, New Kilpatrick  
 Hendrie, G. S., M.A., minister, Dalmellington  
 Hendry, Nisbet T., M.A., teacher, Partick  
 Henry, Joseph, M.A., minister, Stromness  
 Henry, Richard, M.D., Clones  
 Henry, Robert, M.B., Westend, Portgordon  
 Hepburn, David, M.A., teacher, Stromness  
 Herbert, David, M.A., Edinburgh  
 Herbert, H. C., M.D., London  
 Herbertson, J. C., M.A., M.D., Johnstone  
 Herkless, W. R., LL.B., professor, Glasgow  
 Heron, George Allan, M.D., London, W.  
 Herron, James, M.B., London  
 Hewitt, Edw., M.A., prob., Durban, Natal, S. Af.  
 Heyliger, Ernst D.S., M.B., 5 Craigmere ter., Glas.  
 Hickin, Herbert, M.B., Gnosall, Stafford  
 Highet, Campbell, M.B., 9 Havelock terrace, Ayr  
 Highet, Hugh, M.D., 9 Havelock terrace, Ayr  
 Highet, J., M.B., Workington, Cumberland  
 Highet, John, M.D., Langlands Ho., Troon  
 Highet, Robert C., M.B., 9 Havelock ter., Ayr  
 Hill, James, M.A., minister, Fraserburgh  
 Hill, James, M.D., Belfast  
 Hill, Jas., M.B., 35 Bell street, Renfrew  
 Hill, James W., M.B., N. Woolwich  
 Hill, John, M.A., minister, Coatdyke, Coatbridge  
 Hill, Robert, W.S., 302 Buchanan street, Glasgow  
 Hill, William Henry, LL.D., writer, Glasgow  
 Hillhouse, Percy A., B.Sc., stu., Whitworth, Busby  
 Hinshelwood, James, M.A., M.D., Glasgow  
 Hinselwood, John, minister, Worcester  
 Hinton, W. E., teacher, Middlesbro'  
 Hislop, Alexander, M.A., minister, Helensburgh  
 Hislop, John, M.A., law agent, Glasgow  
 Hislop, Thomas, M.A., student, Ratho  
 Hislop, William, LL.B., writer, Glasgow  
 Hobart, Nathaniel J., M.D., Cork  
 Hodge, Peter, M.B., Glasgow  
 Hodge, W. B., M.A., B.L., stu., Nithsdale drive  
 Pollokshields  
 Hodgson, Isaac C., M.B., Workington  
 Hodgson, J. M., M.A., D.D., prof., Manchester  
 Hogarth, A. A., M.A., M.B., Cheltenham  
 Hogarth, J. P., M.A., minister, Renfrew  
 Hogg, Alexander, M.B., Glasgow  
 Hogg, C., M.A., student, Bellasis, Ireland  
 Hogg, D. N., minister, Auchtermuchty  
 Hogg, George M., M.B., Stockton-on-Tees  
 Hogg, J. A., B.D., minister, Galston  
 Hogg, John, M.B., Dumfries  
 Hogg, Robert, M.B., Forth, Lanark  
 Hoggan, James, min., 3 Mansion Ho. rd., Edin.  
 Hoggan, J., B.L., stockbroker, Glasgow  
 Holburn, A. C., B.Sc., teach., 10 W. Garden st., Glas.  
 Holm, Alex., M.A., student, Tilton, Leicester  
 Holm, James, M.A., student, Tilton, Leicester  
 Holmes, W. J., M.B., Bacup, Lancashire  
 Holmes, Charles, M.D., Dublin  
 Holmes, H., M.B., Donemana, Tyrone  
 Holmes, Stephen, M.D., Dunmanway  
 Holmes, Wm. M., M.B., George Place, Gourrock  
 Holms, John, M.B., Paisley  
 Honeyman, P. S., writer, Glasgow  
 Hood, Alexander J., M.B., Sydney, N.S.W.  
 Hood, Archibald J., M.A., teacher, Kirn  
 Hood, Jas. J., M.B., 3 Cecil pl., Paisley rd., Glas.  
 Hood, Robert, minister, Pollokshields  
 Hooker, Sir J. D., M.D., Sunningdale, Berks  
 Hope, Cornelius, M.B., Elder Park terrace, Govan  
 Hopkins, John, M.A., teacher, Bathgate  
 Hoppus, John, M.A., professor, London  
 Horn, Robert, M.D., Read, Blackburn  
 Horne, C. S., M.A., minister, London, W.  
 Horne, Joseph, M.B., Glasgow  
 Horne, R., minister, Aberdeen  
 Hotchkis, R. D., M.A., stud., Crookston, Paisley  
 Houston, A. M., B.D., minister, Auchterderran  
 Houston, D., M.A., student, Glasgow  
 Houston, James E., B.D., minister, Dundee  
 Houston, James R., minister, Langside  
 Houston, J., M.D., dep.-surg.-gen., Edinburgh  
 Houstoun, And. B., M.B., Fairfield, Manchester  
 Howat, Adam, M.A., teacher, Moffat  
 Howat, Robt. K., M.B., 30 Granby ter., Hillhead  
 Howatson, J., M.A., minister, Horndean  
 Howe, Alexander H., M.D., Stevenson  
 Howe, William, M.A., teacher, Annan  
 Howells, William, M.B., Talgarth, Brecon  
 Howie, Alexander, M.B., Westbury, Salop  
 Howie, J. C., M.A., M.B., Pollokshields  
 Howie, Robert, M.A., minister, Govan  
 Howie, Wm. B.D., prob., Maxwood, Galston  
 Hudson, Cyrus, M.A., minister, Dalston  
 Hudson, Jas., M.B., 61 Church st., Dumbarton  
 Hugh, T. A., M.A., minister, Blantyre  
 Hughes, Arthur D., M.B., Littleport, Ely  
 Hughes, Joseph F., M.B., Alexandria, Sydney  
 Hughes, J., M.A., minister, Liverpool  
 Hughes, L., M.A., student, Sorsnold, Swansea  
 Hume, D. R., M.A., minister, Haltwhistle  
 Humphreys, Arthur W., M.A., minister, Neston  
 Hunt, John M., M.B., Perth



Hunt, John Percival, M.D., London, N.  
 Hunt, Leigh, M.B., 1 Graham's place, Perth  
 Hunt, Thomas, M.D., Heywood, Manchester  
 Hunter, Andrew, B.D., minister, Eskbank  
 Hunter, And., M.A., tch., 3 Royal ter., Springburn  
 Hunter, Charles B., M.B., Carnwath  
 Hunter, David, D.D., minister, Galashiels  
 Hunter, George, M.A., minister, Shanghai, China  
 Hunter, James, M.D., Dregthorn  
 Hunter, J., M.A., B.Sc., stu., Burnbank, Whiteinch  
 Hunter, James E., M.B., Duncairn, Helensburgh  
 Hunter, James, B.D., min., Lauriston, Falkirk  
 Hunter, John, M.A., tch., 3 Royal ter., Springburn  
 Hunter, John, minister, Langforan  
 Hunter, John B., M.D., Paisley  
 Hunter, J. S., M.A., minister, Holytown  
 Hunter, Nor. M., M.A., stu., Woodend, Dunblane  
 Hunter, P. L., M.A., stu., Griqualand, S. Africa  
 Hunter, R. R., M.B., Hillhead  
 Hunter, Thomas, M.D., Polquhorte  
 Hunter, Thomas, M.A., student, Pollokshields  
 Hunter, Thos., M.A., stu., 18 Nursery st., Kilm'noc  
 Hunter, Walter, M.B., Nottingham  
 Hunter, Walter K., B.Sc., M.B., 5 Annfield ter., W., Partick  
 Hunter, William M., M.D., Eckington  
 Hunter, Sir Wm. W., LL.D., K.C.S.I., Cumnor  
 Hunter, W. Bell, M.D., Matlock Bridge  
 Huntly, William, M.A., M.D., Rajputana  
 Hurry, A. A., LL.B., student, Uddingston  
 Huston, David, M.B., Portrush  
 Hutcheson, C. W., M.A., stu., 18 Shaftesbury ter., Glas  
 Hutcheson, G., M.D., H.M. India Army  
 Hutcheson, H., B.L., writer, Glasgow  
 Hutcheson, James, minister, Greenock  
 Hutcheson, J., M.A., Mouswald  
 Hutcheson, Robert, LL.B., writer, Glasgow  
 Hutcheson, T. B., M.B., 7 Finnart ter., Greenock  
 Hutchinson, C., M.B., Widnes, Lancashire  
 Hutchinson, J., M.D., Lutterworth  
 Hutchinson, P. H., M.A., missionary, Cambuslang  
 Hutchinson, Wm., M.D., Kilrea, co. Derry  
 Hutchison, A. J., M.A., M.B., Glasgow  
 Hutchison, Benjamin, M.A., teacher, Pollokshields  
 Hutchison, Geo. L., B.Sc., C.E., 6 Belhaven ter., Gl.  
 Hutchison, Jas., M.A., U.P. minister, Oban  
 Hutchison, J., D.D., minister, Bonnington  
 Hutchison, J., M.A., LL.D., teacher, Glasgow  
 Hutchison, John M., merchant, Glasgow  
 Hutchison, Peter, M.A., tch., Ardgowan, Inverkip  
 Hutchison, W., LL.B., stu., 24 Kelly st., Greenock  
 Hutchison, W. B., M.A., minister, Maybole  
 Hutton, H., M.A., minister, Stourbridge  
 Hutton, John A., M.A., stu., Briarfield, Coatbridge  
 Hutton, William, minister, Birkenhead  
 Hutton, Wm. K., M.A., stu., Mansfield, Lenzie  
 Hyslop, J. M'Adam, M.D., Edinburgh  
 Hyslop, John S., minister, Edinburgh

Imrie, David, minister, Dunfermline  
 Imrie, George J., M.B., Springfield, Castle-Douglas  
 Inglis, Anthony, M.B., 14 Esselmont av., Aberd'n  
 Inglis, D. W., M.D., Jarroon-on-Tyne  
 Inglis, Henry H. T., M.A., stu., Loanhead, Edinb'h  
 Inglis, J. D., B.Sc., shipbuilder, 4 Princes ter., Glas.  
 Inglis, J. W., M.A., Newchwang, N. China  
 Inglis, Robert, M.A., student, Linwood  
 Inglis, Robert G., M.B., 1 Holyrood cres., Glasg.

Inglis, Thomas, M.A., teacher, Larbert  
 Ingram, J., B.D., minister, Lervern, Hurlet  
 Ingram, Wm., architect, Glasgow  
 Innes, George, M.A., student, Rothesay  
 Innes, J., minister, Wibeay, Bradford  
 Irvine, Wm. S., M.D., Craigatin, Pitlochrie  
 Irving, Geo., M.A., teacher, 61 Queen st., Renfrew  
 Irving, John, M.D., Leytonstone, London, E.  
 Irving, John, M.B., Huddersfield  
 Isdale, Alex., M.A., minister, Kirkwall

Jaap, John, M.D., Bankstown  
 Jack, A., minister, Ferry-Port-on-Craig  
 Jack, Alex., M.B., 33 Duke street, Glasgow  
 Jack, J. S., M.B., Rothbury, Northumberland  
 Jack, R., B.D., prob., Dykehead, Strathaven  
 Jack, R. T., M.A., stu., 14 Shaftesbury ter., Glas.  
 Jack, Wm., M.A., LL.D., professor, Glasgow  
 Jack, Wm. R., B.Sc., M.B., 43 Lansdowne cres., Glasgow  
 Jackson, Basil, M.A., student, Glasgow  
 Jackson, F., M.A., student, Kings Kettle  
 Jackson, George S., M.B., Carnytne, Hexham  
 Jackson, John A., M.D., Carnytne, Hexham  
 Jackson, Robert, M.A., teacher, Anstruther  
 Jackson, Daniel, M.D., Hexham  
 Jackson, Thos. H., M.B., Cumbræ Lo., Br. of Weir  
 Jackson, T. W., M.B., 15 Elmbank st., Glasgow  
 Jackson, Wm., M.B., 18 Park terrace, Stirling  
 Jago, Arthur H., M.B., 2 Calder terrace, Langside  
 Jago, Josias, M.B., 404 Dumbarton road, Glasgow  
 James, David, B.D., minister, Galston  
 James, Robert, M.A., student, Glasgow  
 James, Robert, M.B., 26 Holyrood quad., Glasgow  
 James, T., M.A., minister, Llandysnel  
 James, T., M.A., minister, Llanelly  
 James, Wm., M.A., minister, Swansea  
 Jameson, G. T., minister, Portobello  
 Jameson, John A., M.D., Glencloy  
 Jameson, Wm. G., solicitor, Airdrie  
 Jamieson, Alex., M.B., Glasgow  
 Jamieson, Arch., M.A., assist.-min., Auchendhu  
 Jamieson, J., M.A., minister, Canonbie  
 Jamieson, Robert, M.B., Glencloy, Brodick  
 Jamieson, Wm. S., B.Sc., teacher, Glasgow  
 Jamison, Arthur A., M.D., London, S.W.  
 Jardine, J., M.B., Heywood, Lancaster  
 Jardine, John, M.A., student, Castle-Douglas  
 Jardine, T., minister, Arnshean, Barrhill  
 Jardine, Walter, M.A., teacher, Newburgh, Fife  
 Jarvie, Robert, M.A., teacher, Sanday, Orkney  
 Jebb, Richard C., LL.D., M.P., prof., Cambridge  
 Jefferson, J., M.D. (R.N.), Hillsborough  
 Jeffray, John, 9 Winton drive, Kelvin-side  
 Jeffrey, George, M.A., teacher, Kelvin-side  
 Jenkins, Sir James, M.D., K.C.B., Mannamead, Plymouth  
 Jenkins, J., M.A., barrister, London  
 Jenkins, Thomas W., M.A., M.D., Pollokshields  
 Jenkins, Wm., M.A., minister, St. David's  
 Jephson, John H., M.D., London, W.  
 Jerdan, D. S., M.A., stu., 3 Choriton ter., Manches'r  
 Jeremy, D. D., M.A., minister, Dublin  
 Jeremy, W. D., M.A., barrister, London  
 Johnson, Gilb. P., M.B., 1 Shaftesbury ter., Glas.  
 Johnson, John, M.B., 62 Dock street, Dundee  
 Johnston, Alex., writer, Glasgow  
 Johnston, Alex., M.B., Methven

- Johnston, Alex., M.D., Barnes Hospital, Cheadle  
 Johnston, Alexander, M.D., Carlisle  
 Johnston, Alf., M.A., stu., Sheriff pk., Rutherg'n  
 Johnston, Alfred W., M.A., minister, Mearns  
 Johnston, Andrew, minister, Kinglassie  
 Johnston, Archibald, M.B., Glasgow  
 Johnston, D., B.D., minister, Harray, Thurso  
 Johnston, David, M.A., student, Dalry  
 Johnston, David G., M.B., Hillingdon, Uxbridge  
 Johnston, Ernest R., B.Sc., C.E., 12 Montem rd., Lon  
 Johnston, Francis, M.B., Birkenhead  
 Johnston, H. W., M.A., minister, Paisley  
 Johnston, John, M.B., Kilwinning  
 Johnston, John, LL.B., solicitor, Glasgow  
 Johnston, John, B.D., minister, Eccles, Kelso  
 Johnston, J. M., M.A., M.B., Dumbarton  
 Johnston, J. K., B.D., prob., 15 Rose st., Garnet'l  
 Johnston, R., M.B., 162 Nethergate, Dundee  
 Johnston, R., B.D., student, Edinburgh  
 Johnston, T., M.A., stu., Portland cres., Hamilton  
 Johnston, W., B.D., prob., 15 Rose st., Gar'till  
 Johnston, W., M.D., surgeon-general, London  
 Johnston, Wm. M., minister, Sheuchan  
 Johnston, W. T., B.A., minister, Worcester  
 Johnstone, A., M.A., tch., Haugh of Urr, Dalbeattie  
 Johnstone, David G., M.B., Haltwhistle  
 Johnstone, J. F., LL.B., writer, Elderslie  
 Johnstone, J. W., M.A., probationer, Edinburgh  
 Johnstone, J., min., Port of Monteith, Stirling  
 Johnstone, J. C., M.D., Melrose  
 Johnstone, Quintin, min., Cullochknowes, Maybole  
 Johnstone, Wm., B.L., writer, Glasgow  
 Jolly, Isaac, M.A., student, Glasgow  
 Jones, David, M.B., Hurlford, Ayr  
 Jones, Evan, M.A., head master, Carmarthen  
 Jones, E. C., M.A., minister, Bradford  
 Jones, E. P., M.A., tutor, Aberystwyth  
 Jones, E. W., M.B., Longton, Staffs  
 Jones, H., M.A., minister, Garston, Liverpool  
 Jones, Henry, M.A., professor, St. Andrews  
 Jones, Henry E., M.B., Rose cottage, Govan  
 Jones, Hugh, M.B., Caerfynnon, Dolgelly  
 Jones, J., M.A., student, Penygroes, Cardigan  
 Jones, James A., M.D., Llanelly  
 Jones, John, M.D., Drumconrath  
 Jones, J. C., M.A., minister, Spalding  
 Jones, John H., M.B., Penybahk, Llangeler  
 Jones, Owen G., M.B., Glasgwn Hall, Penmachno  
 Jones, R. J., M.A., teacher, Aberdare  
 Jones, W. A., M.A., minister, Taunton  
 Jones, W. R., M.D., Bronwysg, Brecon  
 Jubb, James H., B.L., writer, Glencairn dr., P'shlds  
 Jubb, John, B.L., writer, 137 W. George st., Glasgow  
 Jubb, Thomas E., M.A., minister, Luss  
  
 Kater, Dav., M.A., stu., 27 William st., Helensburgh  
 Kay, J. C., solicitor, Hamilton  
 Kaye, David, minister, Glasgow  
 Kaye, James R., M.B., Town Hall, Huddersfield  
 Kean, William, B.D., minister, Aberdeen  
 Keay, John, M.D., Polton  
 Keddie, John, M.B., Fauldhouse  
 Keir, A., M.D., Avonholm, Tunbridge Wells  
 Keith, Neil, M.B., Longrow, Campbelltown  
 Kell, E., M.A., minister, Portswood, Southampton  
 Kelly, A. B., B.Sc., M.B., 16 Carlton pl., Glasgow  
 Kelly, A. Lawson, M.D., Glasgow  
 Kelly, Hugh, M.B., 14 Pollok street, Glasgow  
  
 Kelly, James K., M.D., Crosshill, Glasgow  
 Kelly, J. H., M.D., Blackrock, Dublin  
 Kelly, John, minister, Rothesay  
 Kelly, John, minister, Addiscombe, Surrey  
 Kelso, Alexander, M.B., Corriegills, Brodick  
 Kelso, John J., M.D., Lisburne  
 Kelvin, Baron, of Largs, LL.D., D.C.L., P.R.S.,  
 Professor, University, Glasgow  
 Kemlo, Wm., B.Sc., student, Merryflatts, Govan  
 Kemp, Robert, M.A., minister, Blairgowrie  
 Kempt, Geo. D., M.A., stu., Foresthill, Kelvinside  
 Kennedy, Arch. R. S., D.D., prof., Univ., Aberdeen  
 Kennedy, D. G., M.D., Bermondsey, London, S.E.  
 Kennedy, D. M., M.D., Liverpool  
 Kennedy, D. S., M.B., 13 York place, Perth  
 Kennedy, G. R., minister, Edinburgh  
 Kennedy John, M.A., stu., E. Newport, Dundee  
 Kennedy, John A., M.A., M.D., Bearsden  
 Kennedy, R., M.A., B.Sc., M.B., 1 Doon pl., Kelvin-  
 Kennedy, R., M.A., minister, Myroe [side, N.  
 Kennedy, Thomas, D.D., minister, Edinburgh  
 Kennedy, William W., M.A., M.B., Beaconsfield  
 Kenny, George G., M.B., 49 Park road, Glasgow  
 Keoch, Arthur G., M.B., Melbourne  
 Kenrick, John, M.A., minister, York  
 Ker, Charles, M.A., C.A., Glasgow  
 Ker, J., M.A., minister, Edinburgh  
 Kerr, Daniel, M.B., Bellevue, Hamilton  
 Kerr, E. P. B., M.A., stu., 17 Kersland ter., Hillhead  
 Kerr, G. S., B.D., minister, Tinwald  
 Kerr, Hugh, M.A., M.B., Westmains, Kilbirnie  
 Kerr, John, B.L., solicitor, Kilmarnock  
 Kerr, John, M.B., Townhead, Beith  
 Kerr, J., LL.D., H.M.I.S., Edinburgh  
 Kerr, J., M.A., LL.D., teacher, Glasgow  
 Kerr, John A., M.B., Glasgow  
 Kerr, John G., M.B., Kilburn, Neilston  
 Kerr, John, M.A., teacher, 15 India st., Glasgow  
 Kerr, John G. D., M.B., 6 The Circus, Bath  
 Kerr, John M. M., M.B., 97 Buchanan st., Glasgow  
 Kerr, Norman S., M.D., London  
 Kerr, Robert, M.A., minister, Kirkmuirhill  
 Kerr, Wm. C., LL.B., writer, 7 Bruce st., Hillhead  
 Kerr, Wm. R., M.A., stud., F.C. Hall, Glasgow  
 Keyden, J., writer, Glasgow  
 Keyworth, H. M., M.A., min., W. Teignmouth  
 Kidd, J., B.D., minister, Pollokshields  
 Kidd, Thomas, M.A., minister, Moniaive  
 Kidd, Thos., M.A., teacher, 41 Simpson, st., Glas.  
 Kidston, James B., M.A., writer, Glasgow  
 Kidston, W., B.L., writer, Glasgow  
 Kilgour, Robert, B.D., prob., Govan  
 Killen, J. M., M.A., D.D., minister, Comber  
 Killoch, Matthew, M.B., Johnstone  
 Kilpatrick, Alex., M.B., 3 Alexandria ter., Govan  
 Kilpatrick, H. W., M.B., 14 Angle Bank, Bolton  
 Kilpatrick, Robt. R., M.B., 16 Abbey st., Paisley  
 Kilpatrick, T. B., B.D., minister, Aberdeen  
 Kilpatrick, Wm., M.A., min., 5 Shandon rd., Edin.  
 Kinnear, A. S., sen. of Coll. of Just., Edinburgh  
 King, Charles G., M.B., Pollokshaws  
 King, Sir James, Bart., LL.D., merchant, Glasg.  
 King, James, M.B., Bedford, Leigh, Lancashire  
 King, J. W., M.A., minister, East Kilpatrick  
 King, John, M.A., minister, Bellasis  
 King, John, farmer, Braco, Airdrie  
 King, John L., M.A., min., 26 Church st., Partick  
 King, Joseph L., M.A., stu., 26 Church st., Partick

- King, W., licentiate, Edinburgh  
 King, William Y., M.A., H.M.I.S., Melrose  
 Kinghorn, Alex. M., M.B., Higher Broughton  
 Kinloch, J. M., minister, West Linton  
 Kirk, John S., teacher, Carnarvon  
 Kirk, Thomas, minister, Edinburgh  
 Kirk, Wm., M.A., stu., 44 Ochil st., Tillicoultry  
 Kirke, Robert, D.D., minister, Hutton  
 Kirkhope, John, LL.B., law student, Glasgow  
 Kirkland, Andrew, M.D., Motherwell  
 Kirkland, George A. D., M.A., writer, Glasgow  
 Kirkland, Hugh, M.B., Bathurst, N.S.W.  
 Kirkland, J., M.A., student, Ayr  
 Kirkland, Robert, M.B., Cheltenham  
 Kirkland, Thos., M.B., Eglinton st., Beith  
 Kirkland, William, M.B., Witham, Essex  
 Kirkpatrick, Alexander, M.B., Attercliffe  
 Kirkwood, Daniel, B.D., minister, Houston  
 Kirkwood, Jas., M.B., 78 Holmscroft st., Greenock  
 Kirkwood, J. H., B.Sc., C.E., Crosshill  
 Kirkwood, John, minister, Troon  
 Kirkwood, Robert, M.D., Largs  
 Kirkwood, T., M.A., M.B., Auchneagh ho., Green'k  
 Kirkwood, Thomas, M.B., Newcastle-on-Tyne  
 Kirkwood, Wm. A., M.B., Darnley house, Nitshill  
 Knight, Alexander, M.D., Clones  
 Knight, G. A. F., M.A., stu., Rosenlauri, Bearsden  
 Knight, James, M.A., teacher, Pollokshields  
 Knox, David N., M.B., 8 India street, Glasgow  
 Knox, James H., M.B., Clapham  
 Knox, R., M.A., D.D., minister, Belfast  
 Knox, Robert, minister, Kilmacolin  
 Kyle, D. H., M.B., St. Andrews
- Lade, James, M.A., stud., Hilden, Port-Glasgow  
 Laen, T. L., B.A., M.B., Cardiff  
 Laidlaw, A. S., B.D., professor, Madras  
 Laidlaw, John, B.D., minister, Muthill  
 Laing, Chas. F., M.B., 328 Parliamentary rd., Glas.  
 Laing, James, M.A., minister, Dysart  
 Laing, J. B., M.B., Bridge-of-Earn  
 Laing, Wm. A. G., M.D., Barnstaple  
 Laird, And. L., M.A., min., Newcastle-on-Tyne  
 Laird, Daniel, M.B., 6 Stonefield ter., Glasgow  
 Laird, David C., M.B., Erne Vale, Pollokshields  
 Laird, Peter A., M.B., 158 Raeberry st., Glasgow  
 Laird, Thos., M.B., 220 Berkeley st., Glasgow  
 Laird, Thos. D., M.B., 137 Greenhead ter., Glas.  
 Lamb, David, M.B., 33 St. Andrews rd., P'kshields  
 Lamb, Geo., M.B., 17 Ardgowan sq., Greenock  
 Lambert, James, M.D., Birkenhead  
 Lambie, Gavin, M.A., prob., Glasgow  
 Lamberton, William B., M.A., student, Paisley  
 Lambie, James, M.B., Lowick, Beal  
 Lambie, J., M.A., min., Howood, Paisley  
 Lamond, Henry, writer, Glasgow  
 Lamond, Robert, M.A., apprentice-at-law, 6  
     Rosslyn ter., Kelvinside  
 Lamond, Robert Peel, writer, Glasgow  
 Lamont, A., M.A., stu., 11 Abbotsford pl., Glasgow  
 Lamont, Daniel, M.A., stu., 11 Abbotsford pl., Glas  
 Landsborough, D., minister, Kilmarnock  
 Landsborough, David, M.A., student, Kilmarnock  
 Lang, Andrew, M.A., probationer, Forth, Lanark  
 Lang, Andrew M., B.Sc., minister, Paisley  
 Lang, Cosmo G., M.A., fellow, Oxford  
 Lang, D. M., accountant, London, E.C.  
 Lang, Ebenezer, M.B., 4 Newton street, Glasgow
- Lang, Gavin, minister, Inverness  
 Lang, George, M.A., minister, Houston  
 Lang, Hugh, M.D., Heathfield, Wimbledon  
 Lang, John M., LL.B., writer, 4 Orr sq., Paisley  
 Lang, Jos., M.A., stud., School ho., Kilmarnock  
 Lang, Hugh Morris, M.D., Selkirk  
 Lang, John M., D.D., minister, Glasgow  
 Lang, M. B., B.D., prob., 5 Woodlands ter., Glas.  
 Lang, R., M.A., minister, Dundee  
 Lang, T. Halliday, minister, Ayr  
 Lang, Wm. R., B.Sc., Univ. asst., 9 Crown gard's,  
     Dowanhill  
 Langley, W. Leslie, M.D., Tramore  
 Langmuir, Robt., M.A., M.B., 38 Gladstonest., Glas  
 Langwill, James, D.D., minister, Currie, Edinburgh  
 Lapraik, G., M.B., 5 Elmbank crescent, Glasgow  
 Lapraik, Thomas, M.D., Glasgow  
 Latta, John, merchant, Glasgow  
 Lauchlan, J., probationer, Campbeltown  
 Lauder, William, minister, Strachur  
 Laurie, A., chaplain, Govan  
 Laurie, James, M.B., 1 Shaw place, Greenock  
 Laurie, Wm. G., M.D., Appin  
 Laverick, John T. B., M.B., Hinderwell, Yorks  
 Lavery, Charles, M.B., Greenvale, Dumbarton  
 Law, Thos. B., M.B., Jessamine, Langside  
 Lawrence, M.B., B.L., town-clerk, Oban  
 Lawrence, P. L., M.B., 55 Parliament st., London  
 Lawrie, A. C., district judge, Ceylon  
 Lawrie, Hugh, M.B., Capringstone cot., Dregghorn  
 Lawrie, James, M.D., Glasgow  
 Lawrie, John, minister, Leamington  
 Lawrie, J. M., M.D., Weymouth  
 Lawrie, W. J., M.D., 5 Barns street, Ayr  
 Lawson, James B., M.D., Rothesay  
 Lawson, R. Wyllie, minister, Airdrie  
 Lawson, Rod., minister, Maybole  
 Leask, Henry L. G., M.D., 211 Cathcart rd., Glas.  
 Leck, D. C., LL.B., barrister, London  
 Leckie, David, M.B., Barracks, Maryhill  
 Ledingham, A. N., M.B., Govan  
 Lee, Bremner P., M.A., advocate, Edinburgh  
 Lee, John, M.A., C.E., 11 Lifton place, Leeds  
 Lee, Walter E., M.A., minister, Paisley  
 Lee, Wm., M.A., tch., 12 Garnet ter., Mt. Florida  
 Leech, Jonathan, M.D., Dublin  
 Lees, James C., D.D., minister, Edinburgh  
 Lees, Robert C., M.B., 1 Woodside place, Glasgow  
 Lees, Thomas M'C., M.D., Greenock  
 Leggatt, W., teacher, Glasgow  
 Leiper, Andrew, B.D., minister, Glasgow  
 Leishman, T. D.D., minister, Linton  
 Leishman, W., M.D., professor, Glasgow  
 Leishman, Wm. B., M.B., Barracks, Maryhill  
 Leitch, Alexander, M.B., Gourrock  
 Leitch, John G., M.D., Glasgow  
 Leitch, John W., B.Sc., stud., 3 John st., Paisley  
 Leitch, R., M.A., minister, Blackfordby  
 Leslie, David, M.D., 1 Queen's road, London  
 Lester, W. R., M.A., student, Hillhead  
 Levenston, Samuel, M.D., Glasgow  
 Levine, Abraham, M.A., st., Jesus Coll., Camb'ge  
 Lewars, John, M.A., stu., Carluke road, Lanark  
 Lewis, Chas. A., M.B., Castleon, Manchester  
 Lewis, James, minister, Leith  
 Lewis, J. R. M., M.D., Kingston-on-Thames  
 Lewis, Robert, M.A., teacher, Uddingston  
 Lewis, J. Paterson, M.D., Dalbeattie



- Leys, G. M., M.A., student, Strathaven  
 Leys, J. K., M.A., barr., Hampton hill, Middlesex  
 Liddell, J., M.A., law stu., 4 Cobden pl., Mt. Florida  
 Little, Wm. T., M.B., Glasgow  
 Lillie, T. H., LL.B., writer, 6 Eton ter., Hillhead  
 Lindsay, A., M.B., Tranent  
 Lindsay, Alexander, M.D., Buchlyvie  
 Lindsay, Arch. M., M.A., professor, Glasgow  
 Lindsay, J., B.Sc., B.D., min., Kilmarnock  
 Lindsay, John, minister, Helensburgh  
 Lindsay, John, M.A., M.B., 66 Grant street, Glas.  
 Lindsay, John, M.D., Lesmahagow  
 Lindsay, Robert, teacher, Glasgow  
 Lindsay, R. C., B.Sc., prin., Venice st. sch., L'pool  
 Lindsay, William, M.A., stu., Craigends, Fenwick  
 Lindsay, Wm. C., M.A., st., 19 Shand st., Wishaw  
 Lindsay, W. M., M.A., st., Jesus College, Oxford  
 Lindsay, Wm. Y., M.A., st., Kilmarnock  
 Linn, J. F., M.A., minister, Airlie  
 Lithgow, John, M.B., Langbyres, Cleland  
 Little, James A. S., M.A., student, Glasgow  
 Little, Wm., M.D., Upwell, Wisbech  
 Little, Robert, M.D., Belfast  
 Littlejohn, James B., M.B., Munslow, Salop  
 Littlejohn, John M., B.D., LL.B., min., Munslow  
 Livingston, A. C., M.A., student, Campbeltown  
 Livingston, J., M.A., teacher, Old Cumnock  
 Livingstone, James, M.D., Wishaw  
 Livingstone, John, M.B., Dykehead, Shotts  
 Livingstone, Neil, D.D., minister, Ayr  
 Livingstone, Peter, M.B., Rochdale  
 Livingstone, Robert, M.D., Wishaw  
 Livingstone, Robert, M.B., Shotts  
 Livingstone, Thomas, M.D., Stanhope  
 Livingstone, William, M.B., 17 Hill street, Wishaw  
 Lloyd, David, M.B., Ty Mawr, Llanrhadr, Denbigh  
 Lloyd, Evan, M.B., Tregaron, Aberystwith  
 Lloyd, James, M.B., Llanddeinol, Aberystwith  
 Lloyd, J. H., M.A., student, Llandilo  
 Lochhead, A. F., B.L., writer, 93 High street, Paisley  
 Lochhead, D., clerk, 117 W. Graham st., Glasgow  
 Lochhead, J., minister, Cheltenham  
 Lochhead, James, B.L., writer, Blairgowrie  
 Lochhead, Kerr, B.Sc., C.E., Peterhead  
 Lochhead, Matt., B.Sc., M.B., Gleniffer view, P'sley  
 Lochore, Gavin, minister, Kirkwall  
 Lockhart, A. J., colonel, Edinburgh  
 Lockhart, W., M.A., minister, Colinton  
 Logan, Archibald, M.D., Glasgow  
 Logan, G., B.D., minister, Inverbrothock  
 Logan, Hugh, M.B., Dalry  
 Logan, Jas. R., M.B., Main street, Wishaw  
 Logan, Robert H., M.A., student, Hillhead  
 Logan, Sir T. G., M.D., K.C.B., London  
 Logan, W., M.A., minister, Langton, Duns  
 Logan, William, M.A., minister, Lanark  
 Logan, Wm., B.D., minister, Rogart  
 Logie, John W., M.B., 19 St. Vincent cres., Glasgow  
 Logie, Joseph B., M.A., stu., Barnhill, Perth  
 Lonie, John, M.D., 148 North road, Preston  
 Longwell, D., M.A., minister, Bromley  
 Longwill, David, M.B., Rutherglen  
 Loosmore, Wm. C., M.A., min., Bury, Lancs.  
 Lorimer, J. C., M.A., advocate, Edinburgh  
 Lorimer, R., M.A., minister, Strathmartin  
 Lorraine, J. C., M.A., minister, Caerlaverock  
 Lothian, Alexander V., M.A., student, Aberdeen  
 Lothian, Robert B., M.B., 6 Newton ter., Glasgow  
 Loudon, A., B.D., minister, Galashiels  
 Loudon, J., M.A., minister, Roslin  
 Loudon, Jas. L., M.B., Linnwood, Hamilton  
 Loudon, R. H., M.A., tch., Belhaven ter., Wishaw  
 Loudon, R. T., M.A., min., Cockpen, Lasswade  
 Love, Duncan, M.B., Cumbernauld  
 Love, John, M.D., 36 Berkeley terrace, Glasgow  
 Love, J. Kerr, M.D., 4 Matilda pl., Strathbungo  
 Love, John, M.B., Geilsland, Beith  
 Love, John, farmer, Rutherglen  
 Love, Robert, M.A., student, Janefield, Ayr  
 Lovell, Thos. M., M.A., student, Dalry, Ayr  
 Low, And. R., M.A., stu., 12 Forsyth st., Green'k  
 Low, James P., M.B., 4 Erskine street, Alva  
 Lowe, Alexander, M.B., Brynmawr  
 Lowndes, H. F., B.L., writer, Glasgow  
 Lowrie, Adam, M.A., teacher, Wishaw  
 Lowrie, A., M.A., minister, Ballyshannon  
 Lowson, Geo., M.B., 4 Rosefield street, Dundee  
 Lucas, Arthur H., M.B., Carmyle ho., Carmyle  
 Lucas, Jas., M.A., tch., 59 Gateside st., Hamilton  
 Lucas, W. L. M., B.L., writer, Carmyle ho., Carmyle  
 Lumgair, John, merchant, Edinburgh  
 Lumsden, G., M.B., Fateley Bridge, Leeds  
 Lumsden, Harry, M.A., law-clerk, 2 Castlest., Irvine  
 Lundie, Alexander, minister, Torryburn  
 Lyall, D. G., B.L., writer, 69 W. Regent st., Glas.  
 Lyall, Robert H., M.A., minister, Manchester  
 Lyle, J., M.A., Broughshane, Ballymena  
 Lyle, T., M.B., Rubery Hill Asylum, Broomsgrove  
 Lynn, Joseph M., M.D., surg.-major, Armagh  
 Lynn, Thomas, M.D., Liverpool  
 Lyon, J., M.D., H.M.S. Wye, Sheerness  
 Lyon, Robert, minister, Perth  
 Lyon, Robert, M.B., Darvel  
 Lyon, Walter, M.B., Houghton-le-Spring  
 Lyons, Henry S., M.D., London  
 Lyttil, W., M.A., minister, Longton, Carlisle  
 Mack, John, M.A., student, Baillieston  
 Mack, William, M.D., Airdrie  
 Macklin, Thomas T., M.B., St. Mary's, Isles of Scilly  
 Maddever, John C., M.D., Brownhills, Walsall  
 Magrath, J. A., M.D., Mannamead, Plymouth  
 Main, Geo. A., M.B., 40 W.-End Park st., Glas.  
 Main, James, B.D., student, Hillhead  
 Main, James T., M.A., student, Greenock  
 Main, John S., M.D., Withington, Manchester  
 Main, Robert, B.Sc., Analyst, Runkerry, Dumbreck  
 Mair, Alexander, D.D., minister, Edinburgh  
 Mair, George, teacher, Helensburgh  
 Mair, James, M.A., stu., Thomson st., Kilmarn'k  
 Mair, J., B.Sc., teacher, Tollcross  
 Mair, John, D.D., minister, Southdean, Hawick  
 Mair, John, B.L., writer, Glasgow  
 Mair, Robert, M.B., 170 Berkeley st., Glasgow  
 Malcolm, Robt. M., M.B., Charleston, Glamis  
 Malcolm, Wm., M.A., teacher, Hallcraig, Airdrie  
 Malloch, David, minister, Largo, Fife  
 Malloch, J. M., M.A., writer, Glasgow  
 Manford, J. M., M.A., stu., 29 Bu'kin'h'm'ter., H'head  
 Mann, David, minister, Wamphray  
 Mann, J., M.A., prin., Kushnagar, Bengal  
 Mann, John, M.A., C.A., Glasgow  
 Manners, Hugh, M.A., B.Sc., tch., 12 Rose st., Glas.  
 Manners, W. H., M.B., Kilmarnock  
 Manuel, D. G., B.D., minister, Perth  
 Marchbank, John, M.A., teacher, Lesmahagow

- Markland-Fleming, James, minister, Edinburgh  
 Marquis, Duncan, M.B., 39 Hyndland st., Partick  
 Marr, D. M'C., LL.B., writer, Bearsden  
 Marr, Hamilton C., M.B., Woodilee Asyl., Lenzie  
 Marr, James, M.B., Coynton, Ayr  
 Marriott, O. D., M.D., Sevenoaks, Kent  
 Marsh, Ernest L., M.B., 1 Achray ter., Langside  
 Marshall, Alexander, M.A., minister, Callander  
 Marshall, Alexander Porter, Dalintober  
 Marshall, Andrew, M.D., Preston  
 Marshall, George, M.B., 20 Westminster ter., Glas.  
 Marshall, J., M.B., 18 Chester road, Halifax  
 Marshall, J., B.D., minister, Houndwood  
 Marshall, J., of Chapelton, Glasgow  
 Marshall, John, M.B., asylum, Bridgend, Glam.  
 Marshall, John A., B.L., writer, Glasgow  
 Marshall, John N., M.D., Galston  
 Marshall, John R., M.B., Silksworth  
 Marshall, John S., M.D., Hamilton  
 Marshall, J. W., M.A., classical lect., Aberystwith  
 Marshall, Joseph G., M.B., Dumfries  
 Marshall, Robt. J., M.B., Friedensheim, Girvan  
 Marshall, Robt. M., M.B., 27 Roselea dr., Glasgow  
 Marshall, T., M.A., minister, Caputh  
 Marshall, T., M.A., stu., Levenford pl., Dumbarton  
 Marshall, William, M.A., teacher, Glasgow  
 Marshall, W., M.B., Ebchester, Newcastle-on-Tyne  
 Marshall, William G., M.A., M.B., Glasgow  
 Martin, Alexander, B.D., minister, Saltcoats  
 Martin, Alexander, M.B., Kirkintilloch  
 Martin, G. H., M.A., tch., Langloan, Coatbridge  
 Martin, J., minister, Stranraer  
 Martin, James, M.A., student, Deanston, Doune  
 Martin, John, W.S., Edinburgh  
 Martin, John, M.B., Kirkintilloch  
 Martin, John H., M.A., stu., Hamilton pl., Langside  
 Martin, Matthew, M.B., Glasgow  
 Martin, P. M., minister, Durban, Natal  
 Martin, Robert, student, Bothwell  
 Martin, T., M.A., minister, Lauder  
 Martin, Thomas M., M.B., 93 Baring st., S. Shields  
 Martin, William, M.B., Thorne, Doncaster  
 Martin, W., M.A., stu., 31 Newark dr., Pollokshields  
 Martin, William F., M.A., student, Strathaven  
 Marwick, D. W., LL.B., W.S., Edinburgh  
 Mason, Gavin, minister, Sandbank, Greenock  
 Mason, Henry, M.D., 52 London road, Leicester  
 Mason, James, M.D., Sheffield  
 Mason, Wm., M.B., Thorld cott., Strathaven  
 Masuda, Reisaku, B.Sc., C.E., London  
 Mather, G. Ritchie, M.D., Glasgow  
 Matheson, George, D.D., minister, Edinburgh  
 Matheson, H., B.D., minister, Lybster  
 Mathieson, Alex. L., M.B., Pitsmoro, Sheffield  
 Mathieson, Geo., M.B., Clachan, Argyll  
 Mathieson, James E., banker, London  
 Mathie, B., rector, Hruden, Sunderland  
 Mathie, John, M.B., Bilston, Staffs  
 Mathie, John W., M.B., 33 Monteith Row, Glasg.  
 Matthews, David, B.Sc., M.B., Glenluce  
 Matthews, Jas. N., M.B., Rose cottage, Dromore  
 Maxwell, James, M.D., Tobermory, Mull  
 Maxwell, Thomas, merchant, Glasgow  
 Maxwell, Thomas, M.D., Guildford  
 Maxwell, W., M.A., minister, Cardross  
 Mayberry, T. Duckett, M.D., Tralee  
 Means, Andrew, minister, London, E.C.  
 Means, Peter, minister, Coldstream  
 Mechan, Arthur, M.B., 11 Newton ter., Glasgow  
 Mechan, Joseph, M.B., 11 Newton ter., Glasgow  
 Mecredy, Robert D. W., M.B., Nettleworth  
 Meek, John, of Fortissot, Hamilton  
 Meighan, Thomas Spence, M.D., Glasgow  
 Meikle, A. W., M.A., stu., Viewfield ho., Pol'ksh'lds  
 Meikle, J., B.D., probationer, Tarbolton  
 Meikle, M., M.A., minister, Fintry  
 Meikleham, George C., M.D., Southsea  
 Meiklejohn, J. C., minister, Edinburgh  
 Meiklejohn, John, M.A., minister, So. Melbourne  
 Meiklem, R., B.D., minister, Drumelzier  
 Mein, Alexander, manufacturer, Glasgow  
 Melville, A.P., M.A., stu., Polwarth ter., Ed'burgh  
 Melville, P., B.D., minister, Rendall  
 Melvin, David, 161 Cowley Road, Oxford  
 Menzies, David M., M.A., student, Glasgow  
 Menzies, Thomas J., M.A., B.Sc., rector, Stranraer  
 Merrow, David S., M.A., stud., 2 Hillington pk. circus, Govan  
 Merrylees, Chas. J. T., M.A., minister, Bainsford  
 Metcalfe, Wm., B.D., prob., South manse, Paisley  
 Middleton, George, LL.B., writer, Glasgow  
 Middleton, George S., M.D., Glasgow  
 Middleton, R. W., M.B., London, S.W.  
 Middleton, T. H., B.Sc., student, Invergordon  
 Middleton, William, M.D., Mullingar  
 Middleton, William, M.D., Milltown Pass, W. Meath  
 Millar, Alexander, M.A., farmer, Longforan  
 Millar, A., M.A., student, Gourrock  
 Millar, A. D., M.A., stu., 10 Elmbank cres., Glas.  
 Millar, George, minister, Dundee  
 Millar, James, minister, Edinburgh  
 Millar, James, M.D., Glasgow  
 Millar, James, B.D., minister, New Cumnock  
 Millar, James G., LL.B., advocate, Edinburgh  
 Millar, John N., M.B., Wombwell, Yorks  
 Millar, William, M.B., 55 Westgreen rd., London  
 Miller, Alfred E., M.B., Douglas, Isle-of-Man  
 Miller, Alexander, minister, Strathbungo  
 Miller, Alexander, minister, Newbigging  
 Miller, Arthur W., M.B., Clydeview, Partick  
 Miller, David, LL.B., writer, Lenzie  
 Miller, David, M.A., minister, Stranraer  
 Miller, D., M.A., minister, Genoa  
 Miller, G., M.B., 72 Cross Lane, Salford  
 Miller, Henry, minister, London  
 Miller, H. C., M.A., student, Hillhead  
 Miller, Hugh, M.A., minister, Shandon  
 Miller, Hugh, M.A., teacher, Catrine  
 Miller, Jas., B.Sc., stu., 1 Lilybank ter., Glasgow  
 Miller, James, M.B., 13 King street, Dundee  
 Miller, J. H., M.A., teacher, Partick  
 Miller, J. R. M., M.A., stu., 2 Somerset pl., Glasgow  
 Miller, J., minister, Newton-on-Ayr  
 Miller, John, M.D., Glasgow  
 Miller, John, M.B., 41 Dean street, Stewarton  
 Miller, John, M.A., minister, Dunse  
 Miller, John F., M.A., min., F.C. manse, Millerston  
 Miller, John H., M.A., student, Carluke  
 Miller, John L., M.D., Melbourne  
 Miller, John M., M.B., Largs  
 Miller, Ralph, 83 Taylor street, Glasgow  
 Miller, Robert, M.B., 96 Forest lane, London  
 Miller, R., M.A., M.B., 13 King street, Dundee  
 Miller, Robert A., M.B., Dunkeld  
 Miller, Robert C., M.B., Dervock, Co. Antrim  
 Miller, Robert G., M.B., 10 Newton pl., Glasgow



- Miller, Thos., M.A., teacher, Dunkeld rd., Perth  
 Miller, Thomas H., M.A., math. lect., London  
 Miller, Thomas, minister, Craigie, Perth  
 Miller, Thomas, M.B., Lennoxtown  
 Miller, William G., LL.B., advocate, Edinburgh  
 Miller, W. M., B.Sc., C. and M.E., Edinburgh  
 Milligan, James, M.A., teacher, Glasgow  
 Milroy, A., D.D., minister, Moneydie  
 Milroy, William L., M.A., minister, Abernyte  
 Mills, J., M.A., minister, Dundee  
 Milne, Thomas, B.D., probationer, Birnam  
 Milne, W., M.A., minister, Glasgow  
 Mirrlees, Wm. J., B.Sc., student, Pollokshields  
 Mitchell, A., M.D., Great Yarmouth  
 Mitchell, Alex., advocate, Maybole  
 Mitchell, A., M.A., minister, Linlithgow  
 Mitchell, Alex. M., M.A., writer, Hillhead  
 Mitchell, Andrew, writer, Glasgow  
 Mitchell, Andrew A., LL.B., student, Hillhead  
 Mitchell, And. R., M.B., 6 Wellfield ter., Springburn  
 Mitchel, D., M.A., minister, Warrenpoint  
 Mitchell, Dugald, M.B., Renton  
 Mitchell, G. A., M.A., coalmaster, Hillhead  
 Mitchell, J. C., M.A., writer, Glasgow  
 Mitchell, J. D., B.Sc., student, Biggar  
 Mitchell, J. O., merchant, Glasgow  
 Mitchell, John P., B.Sc., minister, Edinburgh  
 Mitchell, John P., B.L., law clerk, Earnvale, Crieff  
 Mitchell, J., minister, Kirkintilloch  
 Mitchell, John, M.D., Barnard Castle  
 Mitchell, Robt., B.Sc., C.E., 52 Allison st., Ayr  
 Mitchell, Trafford, M.D., Gorseinon, Glam.  
 Mitchell, W., M.A., teacher, Glasgow  
 Mitchell, W. J., M.A., B.L., student, Glasgow  
 Mitchell, W. T., M.A., student, Pollokshields  
 Mitchell, W., M.A., minister, Newtonards  
 Mitchell, Wm., M.A., teacher, Barloch ho., Irvine  
 Moffatt, Alex., LL.B., advocate, Edinburgh  
 Moffat, David, M.B., 4 Walworth ter., Glasgow  
 Moffatt, Jas., M.A., stu., 18 Burnbank gds., Glas.  
 Moffatt, James, M.B., Kirkcudbright  
 Moffat, Thos. D., M.B., 306½ St. Vincent st., Glas.  
 Moffatt, Wm., M.A., student, Cambuslang  
 Moffat, Wm., B.D., assistant minister, Dowanhill  
 Moffat, W.D., M.A., min., 16 Forth st., Edinburgh  
 Moir, James, professor, Glasgow  
 Moir, James, M.B., Auckland, N.Z.  
 Moir, John, B.D., minister, Cairneyhill  
 Moir, Robert W., M.B., 76 Arlington st., Glasgow  
 Moir, Wm. B., M.D., Hillhead  
 Moncrieff, H., B.L., writer, Glasgow  
 Monro, Alex. F., accountant, Glasgow  
 Monro, Jas. D. R., M.A., M.B., 9 Millgate, Arbroath  
 Monro, Thomas K., M.A., M.B., Glasgow  
 Monteagle, H. S. M., B.L., solicitor, Edinburgh  
 Monteagle, Henry W. B., M.D., Pendleton  
 Monteath, R. K., minister, Glasgow  
 Montgomerie, A., LL.D., teacher, Glasgow  
 Montgomerie, J. B., M.D., Penzance  
 Montgomerie, R., B.D., minister, Muirkirk  
 Montgomery, Archibald N., M.D., Glasgow  
 Moody, Andrew, missionary, Pesth  
 Moody, Camp. N., M.A., student, Bothwell  
 Moody, R. A., LL.B., writer, Bothwell  
 Moody-Stuart, Alex., D.D., minister, Errol  
 Mooney, David, M.D., Dungannon  
 Moore, A. G., M.A., B.Sc., C.E., Glasgow  
 Moore, Cecil E., M.A., 1 Queen's gds., Dowanhill  
 Moore, Charles F., M.D., Dublin  
 Moore, H., M.A., minister, Newtonards  
 Moore, James Thomas, M.D., Glasgow  
 Moore, John, B.D., probationer, Kelvinside  
 Moore, Ralph D., B.Sc., student, Glasgow  
 Moore, R. T., B.Sc., C.E., Glasgow  
 Moore, Samuel J., M.D., Glasgow  
 Moore, W. K., M.A., D.D., minister, Liverpool  
 Moore Wm. M.B., 22 Barns street, Ayr  
 More, Richard, M.B., West Kilbride  
 Morrell, J. D., LL.D., insp. of schools, London  
 Morgan, J., LL.D., minister, Great Grimsby  
 Morgan, Rees, M.A., teacher, Pontypridd  
 Morison, Donald, M.B., Beeford, Hull  
 Morison, J., army chaplain, Colchester  
 Morison, W., D.D., minister, London, W.  
 Morris, Edw. J., M.B., Britannia rd., Menai Bridge  
 Morris, G. A., M.B., Fenwick, Ayrshire  
 Morris, Robert, M.A., Madras C. S., India  
 Morrison, Alexander C., M.B., Kinloid, Arisaig  
 Morrison, A. F., M.A., writer, Dowanhill  
 Morrison, A. B., M.B., Carrick road, Ayr  
 Morrison, Donald S., M.B., Pollokshields  
 Morrison, Duncan S., M.A., student, Ardrishaig  
 Morrison, Fred L., LL.B., writer, Glasgow  
 Morrison, H., M.A., minister, Killymurris  
 Morrison, J., minister, Corstorphine  
 Morrison, John, M.A., stu., 6 Brooklyn pl., Gova  
 Morrison, J. D., M.A., student, Glasgow  
 Morrison, Matthew J., B.Sc., student, Partick  
 Morrison, T. M., M.A., lect., F.C. Train. Coll., Glas.  
 Morrison, W., M.A., minister, Elvanfoot  
 Morrison, Wm., M.B., Dowanhill  
 Morton, Alex., M.A., M.D., Crosshill  
 Morton, Alex. Y., M.B., Huelva, Spain  
 Morton, Andrew, minister, Edinburgh  
 Morton, Andrew, M.B., 323 King's road, Chelsea  
 Morton, C., surgeon, R.N., Grange, Edinburgh  
 Morton, James, M.B., Chelsea, London, S.W.  
 Morton, Jas., B.L., law clk., Ard beg, Cambuslang  
 Morton, John, M.B., 110 Main street, Newmilns  
 Morton, John K., M.B., Fairview ho., Dunscore  
 Morton, John M. M., M.B., 9 Wellington sq., Ayr  
 Morton, J. N., M.A., writer, Glasgow  
 Morton, Joseph B., M.B., 13 Aytoun rd., P'shield  
 Morton, Robt. A., B.Sc., M.D., Carrick road, Ayr  
 Morton, Thomas, M.A., teacher, Glasgow  
 Morton, W., M.A., minister, Calside, Paisley  
 Morton, Wm., M.A., student, Carlisle  
 Morton, William, M.A., teacher, Rutherglen  
 Morton, Wm. T., M.A., solicitor, Ayr  
 Mowat, Alex. G., M.A., M.B., Hillhead  
 Mowat, Alex. G. T., M.A., student, Glasgow  
 Mowat, Wm., M.A., student, Glasgow  
 Moyes, And., M.B., 10 W. Princes st., Glasgow  
 Moyes, John, M.B., 2 Bath place, Largs  
 Moyes, W. B., B.D., minister, Strathblane  
 Muir, A., M.A., teacher, Avenue, Girvan  
 Muir, David, M.B., Levensgrove cott., Dumbarton  
 Muir, David C., M.D., Maybole  
 Muir, James, M.D., Whiffet, Coatbridge  
 Muir, Jas., M.A., stu., 3 Buccleuch st., Glasgow  
 Muir, James, minister, Egremont  
 Muir, James, minister, Bridge-of-Allan  
 Muir, James F., M.D., Whitehaven  
 Muir, James M. M., M.B., Avenue, Girvan  
 Muir, James S., B.Sc., Univ. assistant, Glasgow  
 Muir, J. S., M.B., Possilpark, Glasgow

- Muir, Sir John, merchant, 6 Park gardens, Glas.  
 Muir, John, M.A., student, Edinburgh  
 Muir, J. J., minister, Waterloo, near Liverpool  
 Muir, John K., M.B., Maybole  
 Muir, J. P., M.B., St. John's rd., Annan  
 Muir, Thomas, M.A., LL.D., Cape Town, S. Africa  
 Muir, T., B.D., minister, Methill, Fife  
 Muir, William, M.B., 6 Monteith row, Glasgow  
 Muir, William, M.B., 82 Butler st., Manchester  
 Muir, W., B.D., B.L., minister, Hillhead  
 Muir, William C. C., M.B., Portarlington  
 Muir, Wm. R., M.B., Harle Syke, near Burnley  
 Muirhead, I. B., M.A., M.D., Aylesford  
 Muirhead, James, M.B., Townhill, Dunfermline  
 Muirhead, J. L., minister, Wooler  
 Muirhead, J. H., M.A., lect., 30 Aynhoer d., Lond., W  
 Muirhead, L. A., B.D., minister, East Wemyss  
 Muirhead, R. F., B.Sc., M.A., Mason Col., Birm'gh'm  
 Muirhead, W., M.A., st., H' thornhill, Dumbarton  
 Mungall, And., M.D., 6 Abbotsford pl., Glasgow  
 Mungall, W. H., B.Sc., C.E., Dunfermline  
 Munn, Thomas, M.A., student, Edinburgh  
 Munro, Alex., M.B., 383 Duke street, Glasgow  
 Munro, A., M.A., student, Fearn, Ross-shire  
 Munro, Daniel, house agent, Glasgow  
 Munro, Donald, M.D., Wheatholm, Pollokshaws  
 Munro, F., M.B., Stockton-on-Tees  
 Munro, Harry S., M.A., teach., 304 London rd., Glas.  
 Munro, Hugh, minister, Kilchrenan, Dalmally  
 Munro, J. L., B.D., minister, Linlithgow  
 Munro, John M., M.A., stu., 7 S. Oxford st., Edin.  
 Munro, R., B.D., min., Kincardine-on-Forth  
 Munro, W., M.D., LL.D., C.B., surg.-gen., London  
 Munro, W. D., M.A., law student, Edinburgh  
 Munsie, William, minister, Craigie, Perth  
 Murdoch, A., University assistant, Glasgow  
 Murdoch, Alexander, minister, Sorbie  
 Murdoch, Andrew, M.B., St. Helens, Lancaster  
 Murdoch, James, minister, Pitsligo  
 Murdoch, J., minister, Kirkpatrick Fleming  
 Murdoch, J. W. A., M.B., Wallingford  
 Murdoch, R. H., B.Sc., student, Stevenston  
 Murdoch, William, writer, Glasgow  
 Murie, James, M.D., LL.D., Leigh, Essex  
 Murphy, A. D., M.A., teacher, Wallacetown, Ayr  
 Murphy, William D., M.D., Dublin  
 Murray, A. F., M.A., student, Rutherglen  
 Murray, Alexander, merchant, Glasgow  
 Murray, A. F., M.A., minister, Torphichen  
 Murray, A. G., B.L., solic., 41 W. George street, Glas.  
 Murray, David, B.Sc., student, Kilmarnock  
 Murray, D., M.A., LL.D., writer, Glasgow  
 Murray, D., M.D., surg.-maj., Ashton-under-Lyne  
 Murray, Donald, M.B., 10 Keith st., Stornoway  
 Murray, George, M.A., min., British Columbia  
 Murray, Geo. G. A., B.A., prof., University, Glas.  
 Murray, H. M., minister, Glasgow  
 Murray, J. B., M.A., tch., 31 Arlington st., Glas.  
 Murray, J. R. E., B.Sc., stu., 40 Montgomerie dr., Glas.  
 Murray, John, M.D., Cookstown  
 Murray, John, M.D., Carlisle  
 Murray, J. C., LL.D., professor, Montreal  
 Murray, J. W., M.B., Chorley, Lancashire  
 Murray, Percy H., M.B., 29 Hamilton drive, Glas.  
 Murray, T., M.A., minister, East Anstruther  
 Murray, William, M.A., minister, Penang  
 Murray, Wm., M.B., 148 Hill street, Glasgow  
 Murray, Wm., M.B., Montgomery place, Newton
- Murray, Wm. C., M.B., Foundry cott., Barrhead  
 Murray, W. H., M.B., Aytoun road, Pollokshields  
 Mushet, James, minister, Glasgow  
 Muter, James, teacher, Glasgow  
 Macaffer, John, M.B., Bowmore, Islay  
 Macalister, D. M., minister, Edinburgh  
 Macalister, William, M.B., Kilmarnock  
 M'Alister, Ronald, minister, Dingwall  
 Macalpine, C. S., B.D., min., Manchester  
 Macara, James F. D., M.B., 2 Rochester pl., Glasgow  
 Macara, John, B.D., prob., Craigmore, Rothesay  
 Macara, John A., M.A., B.Sc., student, Glasgow  
 Macarthur, Alexander, M.A., minister, Blairmore  
 M'Arthur, Alex. C., M.B., Chislehurst, Gourock  
 M'Arthur, B. W., M.B., Gorton, Manchester  
 M'Arthur, Duncan, M.A., minister, Kinnell  
 Macarthur, James I., M.D., West Kilbride  
 Macarthur, J. N., M.B., 34 High street, Paisley  
 M'Arthur, Robert F., M.A., M.B., Oban  
 Macarthur, J., M.A., minister, Kilmodan  
 Macarthur, J., M.A., clergyman, London, S.W.  
 Macarthur, N. G., M.A., st., Roseb'k, Ardrishaig  
 Macarthur, P., M.B., Newtownards  
 Macartney, Duncan, M.B., Partick  
 Macaulay, Angus, M.B., Lochs, Stornoway  
 Macaulay, C. M., M.A., M.B., 30 Queen st., Perth  
 Macaulay, D., M.B., Clydevieu, Partick  
 Macaulay, George, M.A., minister, Kilmaurs  
 Macaulay, J., M.D., Newcastle-on-Tyne  
 Macaulay, J., M.A., student, Edinburgh  
 M'Ausland, A., M.A., stu., 72 Wellington st., Gr'n'k  
 Macausland, Robert, M.A., student, Paisley  
 Macbeth, James, M.D., 16 Walton road, Liverpool  
 M'Birnie, James, teacher, Glasgow  
 Macbrinie, Stuart, M.B., Campview ho., Callander  
 M'Brayne, R., merchant, Hillhead, Glasgow  
 M'Bride, Charles, M.D., Wigtown  
 M'Bride, D., B.L., writer, Dumbarton  
 M'Bride, Neil, minister, Glenisla  
 M'Bryde, C., M.B., 47 Fore street, Port-Glasgow  
 M'Caig, Charles N., minister, Lochgilphead  
 M'Call, Anthony, M.B., Conisborough, Yorks  
 M'Call, J. M., M.B., Veterinary College, Glasgow  
 M'Call, J. Drennan, minister, Ardrrossan  
 M'Call, William, M.B., Beechwood, Irvine  
 M'Callum, A. K., M.A., LL.D., min., Pollokshields  
 M'Callum, D., M.B., Salen, Aros, Mull  
 M'Callum, G. S., M.A., teacher, Glasgow  
 M'Callum, H., M.A., tch., 38 Gladstone st., Glas.  
 M'Callum, J. A., LL.B., student, Ardgay  
 M'Callum, J., minister, Kincardine, Ardgay  
 M'Callum, John, M.A., student, Paisley  
 M'Callum, J. D., M.A., minister, Larkhall  
 M'Callum, J., M.A., stu., Regent's Pk. Col. Lon., N.W.  
 M'Callum, Julius F., M.A., law stud., Ardskipness, Paisley  
 M'Callum, M. W., M.A., prof., Sydney, Australia  
 M'Calman, Dove, M.D., Oban  
 M'Carter, J., M.A., minister, Derry  
 M'Casland, P. B., M.A., student, Garteraig  
 M'Clay, James, M.D., East Peckham, Kent  
 M'Clelland, R. B., M.D., Banbridge  
 M'Closky, J., M.B., Stockton-on-Tees  
 M'Clumpha, John, M.A., student, Whithorn  
 M'Clure, A. L., M.A., advocate, Edinburgh  
 M'Clure, H. H. C., M.A., law-clerk, Glasgow  
 M'Clure, J. C., minister, Marykirk  
 M'Clure, J. H., writer, 13 Windsor ter., Glasgow

- M'Clure, Peter, LL.B., law-clerk, Glasgow  
 M'Clure, W., M.A., writer, 77 Newton st., Green'k  
 MacColl, Donald S., M.B., Sydney, N.S.W.  
 M'Coll, John, M.A., min., 2 Lylesland ter., Paisley  
 M'Coll, Mal., M.A., stu., Craigath cot., Killearn  
 M'Collum, James, M.D., Eglinton, Derry  
 M'Conaghy, J., M.A., min., St. Johnstone, Derry  
 M'Conchie, W. G., M.A., Newton Mearns  
 M'Conechy, James, M.B., Bramley, Leeds  
 Maconechy, Jas., clerk in holy orders, London, W.  
 M'Connachie, R., M.A., tch., Cross Arthurlie, B'head  
 M'Connell, W., M.A., minister, Gortnessy  
 M'Connochy, James, M.D., Glasgow  
 M'Conville, John S., M.A., M.D., Glasgow  
 M'Corkindale, Dun., M.D., 11 Bute mansions, Glas.  
 M'Corkindale, J., M.A., min., Lochgoilhead  
 M'Cormick, D., M.A., teacher, Kilfinichen, Mull  
 M'Cormick, W. S., M.A., prof., Uni. Col., Dundee  
 M'Cosh, J., D.D., professor, Princeton  
 M'Cosh, R. N., M.D., Dundee  
 M'Cowan, J., teacher, Ardnamurchan  
 M'Cowan, J., D.Sc., demonstrator, Dundee  
 M'Cracken, Alex. H., M.B., Kileeggan  
 M'Cracken, John, M.B., Easingwold  
 M'Creadie, William, M.B., Holme Villa, Leith  
 M'Crinde, James R. R., M.B., Hillhead  
 M'Crorie, Archibald, M.B., Glasgow  
 M'Culloch, Allen, M.B., Tarporley, Cheshire  
 M'Culloch, H. D., M.B., Murree, Punjab  
 M'Culloch, J. M., M.D., Dumfries  
 M'Cullough, Pat., M.B., Gorton, Tyrone  
 M'Culloch, Richard, writer, Glasgow  
 M'Culloch, Thomas C., M.B., Glasgow  
 M'Cunn, J., M.A., student, Aighburth, Liverpool  
 Macdiarmid, Rod. C., M.B., 46 St. George's rd., Glas.  
 M'Donald, Alexander, M.A., student, Dornoch  
 M'Donald, A., M.A., student, 135 Hill st., Glas.  
 Macdonald, A. R., M.D., Edinburgh  
 M'Donald, A., B.Sc., teacher, Motherwell  
 Macdonald, Angus, M.A., min., Ullapool  
 Macdonald, A. M.G., M.B., 207 Cal'd'n' nrd., Lond., N.  
 Macdonald, Archibald, minister, Barra  
 Macdonald, David, M.B., Glenurquhart, Inverness  
 Macdonald, David, M.B., Nelville, Galston  
 Macdonald, D. W., M.A., cl., 14 K'gsb'h ga., Kelv'side  
 Macdonald, Don., M.A., stu., Malaglate, N. Uist  
 Macdonald, Donald, M.A., student, Tiree  
 Macdonald, Don., M.A., div. student, Kilmalcolm  
 M'Donald, D. B., B.D., instr., Hartford, Conn., U.S.  
 M'Donald, F., M.A., rector, Thurso  
 Macdonald, G. P., M.A., stu., Schoolhouse, Kil'colm  
 Macdonald, Geo. G., M.B., Crich, Derby  
 M'Donald, James, M.B., Merry st., Motherwell  
 Macdonald, Jas. W., B.D., prob., Ballinluig, Perthsh  
 Macdonald, James, B.L., student, Glasgow  
 M'Donald, J., M.B., Ardrossan  
 M'Donald, J., M.A., M.B., 264 Craign'k, Motherwell  
 Macdonald, John, M.B., 9 Princes st., Pollokshields  
 M'Donald, John A., M.B., Woolsthorpe, Grantham  
 Macdonald, J., B.D., minister, Airdrie  
 Macdonald, John D., M.D., Glasgow  
 Macdonald, Lachlan, M.A., clergyman, Hillhead  
 Macdonald, Murdoch, minister, Nairn  
 Macdonald, M., M.A., stu., Harris, Stornoway  
 M'Donald, N. C., M.B., 396 Caledonia rd., Glasgow  
 Macdonald, R., minister, Blantyre  
 M'Donald, R., schoolmaster, Galston  
 M'Donald, R., minister, South Uist  
 Macdonald, R., M.B., Creagorry, South Uist  
 Macdonald, Thomas F., M.B., Maryhill  
 Macdonald, Thos. R., M.B., Rockside ho., Islay  
 M'Donald, William, M.D., Glasgow  
 M'Donald, Wm. C. C., M.B., Maryhill  
 Macdougall, Alexander, M.B., Girvan  
 M'Dougall, Alex., M.A., tch., 3 Alexandriater., Gov'n  
 Macdougall, John, M.D., Greenock  
 Macdougall, Allan, minister, Rothesay  
 M'Dougall, And., M.A., tch., Clydeford rd., Cam'stg  
 M'Dougall, Dan., M.B., Rosevale place, Stranraer  
 Macdougall, D., M.B., 59 Meeching rd., N'h'v'n, S'sex  
 M'Dougall, H., M.B., Barnes, London  
 Macdougall, J., minister, Strathconan  
 Macdougall, J. R., M.A., Bridge-of-Allan  
 M'Dougall, Neil, M.A., minister, Coll  
 Macdowall, A. B., M.A., North Finchley  
 Macdowall, A. K., M.A., student, Glasgow  
 M'Dowall, J., minister, Rosemarkie  
 M'Dowall, W., M.A., minister, Kirkmahoe  
 M'Elwee, G. M., M.A., B.Sc., min., Nottingham  
 M'Ewan, David, D.D., minister, London  
 M'Ewan, Dugald, M.D., Bedford  
 M'Ewan, J., M.A., minister, Glasgow  
 M'Ewan, James, M.B., Helensburgh  
 M'Ewan, James W., M.A., B.Sc., min., Ainsdale, Southport  
 M'Ewan, John, minister, Rosneath  
 M'Ewan, John, Edinburgh  
 M'Ewan, Thos., minister, Grange, Edinburgh  
 MacEwen, A. R., D.D., minister, Glasgow  
 M'Ewen, J. B., M.A., stu., 9 Onslow dr., Dennistoun  
 Macewen, William, M.D., LL.D., prof., Glasgow  
 M'Fadden, J., M.D., Victoria road, Southsea  
 M'Fadyen, Donald, M.D., Stirling  
 M'Fadyen, Jas., missionary, Pollokshaws  
 Macfadyen, James, minister, Kildalton  
 M'Fadyen, J. E., M.A., stu., 116 S. Portland st., Glas.  
 Macfadyen, T. E., minister, Patna  
 M'Fadzean, J., M.A., minister, Colmonell, Girvan  
 Macfarlane, J., M.A., minister, Rathmullen  
 Macfarlane, A., minister, Glasgow  
 Macfarlane, A., minister, Mt. Florida, Glasgow  
 MacFarlane, Bryce, M.A., stu., Mansefield, Cathcart  
 Macfarlane, David, solicitor, Falkirk  
 Macfarlane, Donald, Froom, Alexandria  
 Macfarlane, Donald N., M.B., Balinoe, Tiree  
 Macfarlane, D., M.A., minister, Walston, Biggar  
 Macfarlane, Duncan, rector, Alloa  
 Macfarlane, Hugh, minister, Oban  
 Macfarlane, James, M.A., minister, Leghorn  
 MacFarlane, J., B.L., writer, Mansefield, Cathcart  
 Macfarlane, John, retired teacher, Crieff  
 Macfarlane, J., minister, Maidenhead  
 Macfarlane, J. A., minister, Urray  
 Macfarlane, John H., merchant, Cowllairs  
 Macfarlane, J. M., B.L., solicitor, Airdrie  
 Macfarlane, M., M.A., teacher, Bridge-of-Allan  
 Macfarlane, R. M., minister, Glenorchy  
 Macfarlane, Thos. L., M.B., Bannockburn  
 Macfarlane, W., B.Sc., min., Everton, Liverpool  
 Macfarlane, William, M.D., Maybole  
 Macfarlane, William, M.B., Glasgow  
 Macfarlane, Wm. D., M.B., Ebenezer field, Busby  
 Macfie, George P., M.A., student, Glengarnock  
 Macfie, John, M.D., London  
 Macfie, N. M., B.D., minister, Tignabruaich  
 Macfie, Daniel, minister, Glasgow



- Macfie, John M., M.A., stu., Glentrae, Dumbreck  
 Macfie, Sam., M.A., law appr., Ballycurrie, Rothsay  
 Macfie, W. Guelph, minister, Edinburgh  
 M'Gavin, J., M.A., minister, Chapelton  
 M'Gaw, Alexander, M.A., stu., Academy, Rothsay  
 M'Gee, Michael, M.D., Belfast  
 M'Geoch, James, M.A., minister, Kilmarnock  
 M'Geoch, Thomas, M.B., Daljarrock, Ayrshire  
 MacGeorge, R. J., minister, Rothsay  
 M'Ghie, Robert, M.B., Rugeley, Staffordshire  
 M'Ghie, Thos., M.A., tch., Chapelton, Hamilton  
 M'Gilchrist, John, M.A., stud., Bowmore, Islay  
 MacGill, Henry M., minister, North Esk  
 M'Gill, James, M.A., student, Wishaw  
 M'Gill, Matthew, minister, Mauchline  
 MacGill, W., B.D., prob., 5 Berlin pl., Poksh'ds  
 M'Gill, William, M.D., Glasgow  
 Macgillivray, Don., M.A., stu., Tigh-an-eas, Ard'sh'g  
 M'Gillivray, Duncan, M.A., student, Poloksh'ds  
 MacGillvray, Duncan, M.B., Glasgow  
 M'Gillp, Alexander, B.D., minister, Col'naive  
 MacGillp, John D., M.A., min., 17 Keir st., Edin.  
 M'Glashan, Jas., M.B., 13 Stonebyres ter., Partick  
 M'Glashan, Thomas, M.A., teacher, Killicrankie  
 M'Gonigle, W. A., M.A., min., Monkwearmouth  
 M'Gregor, A., M.A., minister, Inverkeithing  
 Macgregor, Alexander, minister, Balquhider  
 Macgregor, Alexander, physician, Hemdale  
 MacGregor, Andrew, minister, Johnstone  
 M'Gregor, Andrew N., M.D., 64 St. Geord., Glasgow  
 M'Gregor, D., M.A., M.D., Denholm, Hawick  
 M'Gregor, D. O., M.B., Royal Infirmary, Glasgow  
 MacGregor, Ewen M., M.A., probationer, Dundee  
 M'Gregor, George, M.A., student, Glasgow  
 M'Gregor, John, B.D., prob., Cumbernauld  
 M'Gregor, John, M.D., Liverpool  
 M'Gregor, John, M.D., Glasgow  
 M'Gregor, John, M.D., Camp, Aden  
 M'Gregor, John, M.B., 14 Barns terrace, Ayr  
 M'Gregor, J. F., M.D., Glasgow  
 Macgregor, J. F., M.B., S. Wigton  
 Macgregor, John F., minister, Crosshill  
 M'Gregor, John L., M.A., student, Alyth  
 Macgregor, Pat. F., M.B., Sanquhar  
 M'Gregor, R., M.A., minister, Holytown  
 Macgregor, R., M.A., teacher, Carman, Manitoba  
 M'Gregor, Thomas W., M.A., minister, Dudley  
 M'Gusty, Thomas H., M.D., Sandymount, Dublin  
 Macharg, Ebenezer S., C.A., Glasgow  
 M'Houl, Hugh M., M.B., Buchanan vil., Shawl'ds  
 M'Iloy, James, M.B., Ballycastle, Antrim  
 M'Ilwaine, W., M.A., minister, Auchnacloy  
 M'Iraith, A. H., M.A., assistant min., Glasgow  
 M'Iraith, C. H., M.A., M.B., W. Norwood, London  
 M'Iraith, J. R., LL.B., barrister, London, E.C.  
 M'Ilvean, Thos. D., M.A., st., Fullarton pl., Irvine  
 M'Ilwraith, Thomas, surgeon, Barrhill  
 Macindoe, Alex., M.D., Market Drayton, Shrops.  
 MacIndoe, W. L., LL.B., writer, Kirkealdy  
 M'Innes, Alexander, teacher, Glasgow  
 M'Innes, A., M.A., stud., Prospecthill ho., G'nock  
 M'Innes, Duncan, minister, Oban  
 M'Innes, John A., M.A., teacher, Leven  
 M'Innes, Joseph, minister, Ullapool  
 M'Innes, Robert, minister, Ayr  
 M'Intosh, Duncan, M.B., Govandale, Govan  
 M'Intosh, James, M.A., student, Glasgow  
 M'Intosh, James, merchant, Glasgow  
 Macintosh, James A., M.B., Aros, Argyle  
 Mackintosh, A. J., M.D., Downham  
 Mackintosh, Alexander Brodie, Lamington  
 Mackintosh, Angus, M.D., Chesterfield  
 Mackintosh, D., M.D., London, N.W.  
 Mackintosh, Daniel, M.D., London, S.W.  
 Mackintosh, Donald J., M.B., Glasgow  
 Mackintosh, M., M.D., London, S.W.  
 Mackintosh, Robert, M.A., minister, Dumfries  
 Mackintosh, R. D., M.B., Rowallan, Kilmarnock  
 M'Intyre, Alexander, minister, Kilbrandon  
 M'Intyre, Alexander, Glasgow  
 Macintyre, A., M.D., Innellan  
 Macintyre, A., M.A., stu., Calder Sc'h'se, Coatb'dge  
 MacIntyre, D., M.A., teacher, Alexandria  
 M'Intyre, Geo., M.B., 17 Whitevale st., Dennist'n  
 M'Intyre, H. D., M.A., elec. eng., Kildo'n, Downhill  
 Macintyre, Hugh, M.B., 5 Stafford street, Oban  
 M'Intyre, James, minister, Seafeld, Cullen  
 Macintyre, Jas., B.Sc., st., 7 St. James' ter., H'head  
 Macintyre, J., B.L., writer, 10 Roxb'gh st., Kel'side  
 M'Intyre, John B. K., minister, Largs  
 Macintyre, John, M.B., 51 Bath street, Glasgow  
 M'Intyre, J., farmer, Bridge-of-Allan  
 Macintyre, John, minister, China  
 M'Intyre, John, M.D., Rotherfield  
 M'Intyre, John P., M.D., Doune  
 M'Intyre, Joseph M. B., M.A., student, Largs  
 M'Intyre, Malcolm, minister, Boleskine  
 Macintyre, Neil, M.B., 179 Bath street, Glasgow  
 M'Isaac, D. B., M.A., minister, Kirkmichael  
 M'Isaac, J. B., M.A., teacher, Bury  
 M'Ivor, J., M.A., student, Edinburgh  
 M'Jannet, F. M., M.B., Middlewich  
 M'Kay, A., M.D., Crook, Durham  
 Mackay, A. D., M.B., Esk, Durham  
 Mackay, Alex. N. D., M.A., reporter, Edinburgh  
 Mackay, A., B.L., writer, Glasgow  
 Mackay, Arch., M.D., Appin  
 Mackay, Chas. G., M.B., Lochcarron  
 Mackay, J., M.A., student, Dumfries  
 Mackay, N., B.D., minister, Ochiltree  
 Mackay, D., minister, Knock, Stornoway  
 Mackay, Dun., M.A., teacher, Ayr  
 Mackay, H. J. H., LL.B., barrister, London  
 Mackay, Hugh, M.D., Cambuslang  
 M'Kay, James, M.B., Westonlee, Dumbarton  
 Mackay, J., M.A., minister, Cromarty  
 Mackay, James L., LL.B., writer, Langside  
 M'Kay, John, minister, Glasgow  
 Mackay, John, M.A., student, Inverness  
 Mackay, John M., B.L., writer, Hillhead  
 Mackay, John Y., M.D., 34 Elmbank cres., Glasg.  
 Mackay, P., M.A., schoolmaster, Valparaiso  
 Mackay, Wm. M., B.D., min., F.C. manse, Troon  
 M'Kean, Alex., M.B., Dalbeattie  
 Mackechnie, Alex., M.D., Bunnassan  
 M'Kechnie, Alex. J., M.B., Lochend, Campbelt'n  
 M'Kechnie, C. A., M.B., Bolton  
 M'Kechnie, John M., B.L., writer, Glasgow  
 M'Kechnie, W. S., LL.B., writer, Elderslie  
 Mackeggie, D., B.D., prob., Beaulieu  
 MacKeith, Alex. A., M.B., St. Thomas, Exeter  
 MacKeith, Donald, M.D., Sandhurst  
 M'Keith, John, M.B., Exeter  
 M'Kellar, P. H. M., M.A., M.B., London  
 M'Kelvie, Geo., M.A., chaplain, Mhow, India  
 M'Kelvie, Robert B., M.D., Oban

- M'Kendrick, J., M.B., Cowgate st., Kirkintilloch  
 M'Kendrick, J. G., M.D., LL.D., F.R.S., prof., Glas.  
 M'Kenna, Peter F., LL.B., solicitor, Girvan  
 M'Kenna, R., M.A., minister, Dumfries  
 MacKenzie, A. R., M.D., Fortrose  
 Mackenzie, A. R., LL.B., stu., St. Catherine's, P'sley  
 Mackenzie, A., M.A., teacher, Edinburgh  
 Mackenzie, A., minister, South Knapdale  
 M'Kenzie, Alex., minister, Kildalton  
 Mackenzie, Alex., M.A., stu., 832 Govan rd., Gov'n  
 M'Kenzie, Dan., M.B., Annfield, Larkhall  
 Mackenzie, Daniel, London  
 M'Kenzie, Daniel, M.B., Glasgow  
 M'Kenzie, Don., teacher, Muir of Ord  
 Mackenzie, Don., M.A., Strontian  
 Mackenzie, Ernest, M.D., Cheadle  
 Mackenzie, James, minister, Kenmore  
 M'Kenzie, James A., M.A., teacher, Pollokshields  
 Mackenzie, J. B., M.D., Longsight  
 M'Kenzie, John, minister, Glasgow  
 M'Kenzie, J., M.B., Pendleton  
 Mackenzie, J. B., B.D., prob., Ivy Bank, A'andria  
 M'Kenzie, John S., M.A., lecturer, Withington  
 M'Kenzie, Kenneth, minister, Bo'ness  
 M'Kenzie, K., M.A., teacher, Barvas, Stornoway  
 MacKenzie, K.C., M.B., Tula, co. Clare  
 MacKenzie, Lachlan, minister, Jura  
 M'Kenzie, R. D., writer, Caldervan  
 M'Kenzie, N. B., banker, Fort-William  
 Mackenzie, Thos., M.A., M.B., Holmside, Cumn'k  
 Mackenzie, Wm. J., M.B., London, N.  
 M'Kerrow, Chas., M.B., Workington  
 MacKerrow, G., M.B., Ayr  
 M'Kerrow, John, minister, Pennycuik  
 MacKichan, D., D.D., missionary, Bombay  
 M'Kie, A., M.A., farmer, Crocketford, Dumfries  
 Mackie, D., M.A., minister, Stewartstown  
 Mackie, David, M.A., stud., Clerkhill, Stewarton  
 Mackie, J., M.A., teacher, 2 Alberta ter., Hillhead  
 Mackie, J., M.A., B.D., minister, Bothwell  
 M'Kie, John, M.B., 6 Canning place, Glasgow  
 Mackie, John, M.B., Cannon rd., Renton  
 Mackillop, F.G., LL.B., writer, 128 St. Vincent  
 street, Glasgow  
 M'Kim, John, M.D., Glasgow  
 Mackinlay, Jas. M., M.A., Hillhead  
 M'Kinlay, Robt., M.A., min., New Pitligo  
 M'Kinlay, Wm. A., M.B., 6 Clarendon st., Glas.  
 Mackinnon, C., M.A., M.B., Cirencester  
 M'Kinnon, D. A., M.A., minister, Marykirk  
 Mackinnon, D., M.A., student, Torrance  
 Mackinnon, Jas., M.A., stud., Tayinloan, Kintyre  
 Mackinnon, John, M.B., Drymen  
 Mackinnon, Sir William A., LL.D., K.C.B., dir.-  
 gen., Army Med. Dep., London, S.W.  
 M'Kinstry, W. H., M.B., So. Dispensary, L'pool  
 M'Kinven, D., M.A., tch., Millknowe ter., Camp.  
 Mackirdy, R. L., M.A., stu., 99 High st., Rothesay  
 Mackison, Fran., C.E., Stirling  
 M'Knight, John, minister, Whitburn  
 MacLachlan, Arch., M.B., South Uist  
 MacLachlan, A., M.D., W. Dulwich, London  
 M'Lachlan, D. S., M.A., min., F.C., Blackford  
 M'Lachlan, Donald, M.A., teacher, Partick  
 M'Lachlan, Donald, minister, Luig  
 M'Lachlan, Hugh, B.L., writer, Glasgow  
 MacLachlan, H. D. C., M.A., st., Mt. Pleasant, Bothw'l  
 MacLachlan, Ivie M., minister, Bothwell  
 MacLachlan, J., M.B., Levenford cot., Dumbarton  
 M'Lachlan, J. C., M.A., minister, Montrose  
 MacLachlan, J., M.B., St. Blaines, Lockerbie  
 M'Lachlan, J. B., B.L., writer, Helensburgh  
 MacLachlan, J. T., M.B., Levenford cot., Dumbarton  
 M'Lachlan, Peter, minister, Dennistoun  
 M'Lachlan, R., M.B., Dalmellington  
 MacLachlan, William, M.D., Ayr  
 MacLachlan, W. A., M.D., Dumbarton  
 M'Lachlan, N. D., B.D., minister, Dalkeith  
 M'Lachlan, Sam. F., M.B., Longtown  
 MacLae, A. C., writer, Glasgow  
 M'Laire, Angus, of Fascalale, Ardrishaig  
 M'Lare, J. A., M.A., advocate, Edinburgh  
 M'Lare, James P., M.A., B.Sc., M.B., Musselburgh  
 M'Laren, J. W., M.A., student, Govan  
 M'Laren, John F., writer, Glasgow  
 MacLaren, John F., B.Sc., ironfounder, Glasgow  
 M'Laren, John P., M.B., Colne, Lancashire  
 MacLaren, John, M.D., Glasgow  
 M'Laren, Wm., minister, Glasgow  
 M'Larty, Duncan, M.D., London, N.W.  
 M'Lauchlan, Geo., M.B., 19 Findlay st., Glasgow  
 M'Laughlan, J., M.D., Newtonlimavady  
 M'Laurin, William, M.B., London  
 MacLay, Alexander, B.Sc., C.E., Bearsden  
 MacLay, David T., writer, Glasgow  
 MacLay, James, LL.B., writer, Glasgow  
 M'Lay, John, M.A., min., 31 Cariehill rd., Belfast  
 M'Lay, Robt., M.B., Dumbarton  
 M'Lay, Robt. A., M.B., 63 Renfield st., Glasgow  
 M'Lay, Walter, minister, Strathaven  
 M'Lean, Alex. H., M.B., Stonehouse  
 M'Lean, And., M.A., stu., 8 Galloway st., Paisley  
 M'Lean, Angus, B.Sc., stud., Tarbert, Argyshire  
 M'Lean, Archibald, M.D., Peebles  
 Maclean, D., B.D., minister, Alloa  
 Maclean, Donald, M.B., Bearpark, Durham  
 M'Lean, Donald, minister, Glasgow  
 M'Lean, H., B.D., minister, Gorebridge  
 M'Lean, Jas., M.A., teacher, Kibble inst., Paisley  
 Maclean, J. H., M.A., st., 13 Ardgowan st., G'nock  
 M'Lean, James N., M.B., Dumbarton  
 M'Lean, John, M.A., student, Irvine  
 M'Lean, John, D.D., minister, Glasgow  
 M'Lean, John, minister, Bracadale  
 M'Lean, Joshua B., M.B., Lochwinnoch  
 Maclean, Magnus, M.A., Univ. assist., Dowanhill  
 M'Lean, M., B.D., minister, Brodick  
 M'Lean, Peter, M.D., Glasgow  
 M'Lean, R., M.A., advocate, Edinburgh  
 M'Lean, Robert, M.A., minister, Kilcreggan  
 M'Lean, William, writer, Glasgow  
 M'Lean, Wm. C., M.A., student, Glasgow  
 MacLehose, James J., M.A., bookseller, Glasgow  
 MacLehose, Norman M., M.B., London, W.  
 MacLehose, Robert, M.A., bookseller, Glasgow  
 M'Leish, J., minister, Wooler, Arncliffe  
 M'Lellan, B. S., M.A., teacher, Aberdeen  
 MacLellan, Duncan, B.Sc., Annock bk., Helen'gh  
 M'Lellan, Geo. D., LL.B., Philadelphia  
 McLelland, Alex., M.B., Alexandria, Dumbarton  
 M'Lennan, K. F., M.D., 29 Florence pl., Glasgow  
 M'Lennan, Quintin, M.B., 191 Pitt st., Glasgow  
 M'Lennan, Simon G. M.A., student, Hillhead  
 MacLennan, Wm., M.B., Hillhead  
 M'Leod, A., minister, Kincardine, Ardgay  
 M'Leod, Alex. L., M.A., M.B., Partick



- MacLeod, David T., M.B., Kelvinside  
 Macleod, Donald, D.D., minister, Glasgow  
 Macleod, Donald, M.A., probationer, Glasgow  
 M'Leod, Donald, M.D., Kilmarnock  
 Macleod, D., M.D., Ramsbottom  
 Macleod, Geo. S., M.A., st., 15 Clarend'n st., Glas.  
 Macleod, Herbert A., M.B., Bearsden  
 Macleod, J. M., M.A., writer, Hillhead  
 Macleod, John, M.A., teacher, Ullapool  
 Macleod, John, D.D., minister, Govan  
 Macleod, John N., M.A., M.B., Manse, Govan  
 M'Leod, Neil, factor, Feolin, Jura  
 Macleod, Norman, D.D., minister, Inverness  
 M'Leod, Robert L. R., M.B., Bengal  
 Macleod, Roderick A., M.B., Invercargill, N.Z.  
 Macleod, William H., B.D., minister, Buchanan  
 M'Leerie, William, London  
 M'Luckie, Robert, writer, Stirling  
 M'Martin, Archibald, M.A., minister, Nigg  
 M'Meikan, D., M.A., min., Campsie, Londond'ry  
 M'Michael, Neil D., B.L., writer, Kilmarnock  
 M'Millan, A. L., M.B., 1 Roseberry ter., Glasgow  
 MacMillan, D., M.A., min., 19 Westmins'r ter., Glas.  
 M'Millan, Duncan, M.B., Tarbert  
 M'Millan, Gilbert, minister, Loth, Golspie  
 M'Millan, James, M.A., minister, Kenmore  
 MacMillan, James, M.A., st., Sunnyside, Galston  
 Macmillan, James, M.A., st., Tayinloan, Argylesh.  
 Macmillan, John, M.B., Tighnabruaich  
 M'Millan, J. I., M.A., stud., Argyle ho., Dollar  
 M'Millan, R., M.A., teacher, 22 Charlotte st., Ayr  
 M'Millan, Wm., M.B., Broomhill, Pollokshields  
 M'Morris, R., M.A., min., Manor, Cunningham  
 M'Mullan, John, M.D., Downpatrick  
 M'Munn, Robert, M.D., Dromaid  
 M'Murphy, A. K., M.A., minister, Scone  
 M'Murphy, J., B.D., min., Walton, Liverp'l  
 M'Murray, Thos., M.B., 26 Canning st., Glasgow  
 M'Murrich, M., M.A., M.B., Woodilee, Lenzie  
 M'Nab, And., M.A., stud., Deloraine pl., Renton  
 M'Nab, C., teacher, Edinburgh  
 M'Nab, David A., M.A., teacher, Rothesay  
 M'Nab, James, M.A., student, Govan  
 Macnab, James C. G., M.B., Dysart  
 M'Nab, John R., M.A., minister, Strathkinness  
 M'Nab, Robert, M.D., Bury St. Edmunds  
 M'Nab, Stev., M.A., stud., 5 Woodside quad., Glas.  
 M'Nab, Wm. B., M.A., stud., 5 Woodside quad., Glas.  
 Macnair, R., M.A., M.D., minister, Edinburgh  
 M'Naught, James, D.D., minister, Glasgow  
 M'Naught, J. G., M.A., M.B., 31 Moray pl., Crosshill  
 Macnaughtan, Jos., M.A., stud., Fraoch, Bearsden  
 MacNaughton, J., M.B., Auchintore, Fort-W'm  
 M'Naughton, John, M.D., Prison, Perth  
 M'Naughton, Allan, M.D., Taynult  
 M'Naughton, G. F. A., M.A., minister, Carsphairn  
 M'Naughton, J. B., M.B., Deptford  
 M'Naughton, Thomas, M.D., Blackpool  
 MacNaul, H. H., M.B., Ballymoney  
 M'Neary, A., M.D., Garvaghy, Ireland  
 M'Neill, Daniel, M.D., clergyman, Holm, Kirkw'll  
 M'Neill, Duncan, M.A., student, Langside  
 M'Neill, J., minister, Rutherglen  
 M'Neill, John H. H., M.A., stud., Orinsa, Crosshill  
 MacNicol, Archibald J., B.D., min., F.C. Dundon'ld  
 M'Nicol, Dan., M.B., 274 Gt. Eastern rd., Glas.  
 MacNicol, D., minister, Dunoon  
 MacNicol, D. C., B.D., min., Dunipace  
 Macnicol, Malcolm, M.A., stu., F.C. Manse, Dunoon  
 Macnicol, Nicol, M.A., stud., F.C. Manse, Dunoon  
 MacNicol, P., M.A., tch., 4 Oakfield tr., Hillhead  
 Macnie, R. M., M.A., prob., Crosshill farm, Rutherg'n  
 M'Nish, James, M.B., Nottingham  
 M'Niven, James, M.A., min., F.C., Ardnamurchan  
 M'Omish, Robert, M.A., missionary, Bombay  
 M'Ouat, James E., M.A., student, Balforn  
 MacOwan, W., minister, Acot road, London  
 Macphail, Digby M., M.B., Jamaica  
 M'Phail, Donald, M.D., Whifflet  
 Macphail, Geo. R., M.A., minister, Dundee  
 Macphail, James M., M.A., M.B., Partick  
 Macphail, John, M.B., Barnsley  
 Macphail, John, M.A., stu., Selma, Ledaig, Argyll  
 MacPhee, A. M., M.A., cl. in holy ord., Chathill  
 MacPhee, A. S., B.D., minister, Hillhead  
 MacPhee, Angus, M.D., 2 Kirklee road, Kelvinside  
 M'Pherson, Charles, M.D., Bonar  
 Macpherson, F. B. H., M.A., st., F.C. Manse, L'bert  
 M'Pherson, G. L., B.Sc., teacher, Crosshill  
 Macpherson, James A., M.B., Barrhill, by Girvan  
 M'Pherson, John, minister, Comrie  
 MacPherson, John, M.A., minister, Findhorn  
 Macpherson, J., M.B., Shanklin, Isle of Wight  
 Macpherson, J., minister, South Uist  
 MacPherson, J. F., B.D., minister, Greenock  
 Macpherson, Mal. D., M.A., B.L., stud., Inveraray  
 Macpherson, N., M.A., minister, Inveraray  
 M'Pherson, R. B., M.D., Cambuslang  
 Macpherson, Robert, M.D., 251 Bath st., Glasgow  
 Macpherson, W., B.D., Lumphannan  
 M'Phun, John F., M.B., Garelochhead  
 Macquarie, John A., M.B., Peel, Isle-of-Man  
 MacQueen, A., B.D., minister, Aberdeen  
 M'Queen, George, M.A., minister, Milngavie  
 M'Queen, Jas., M.A., stu., 11 Regent Moray st., Glas.  
 M'Queen, J., M.A., min., Lochend, Campbelltown  
 M'Queen, J., B.Sc., engineer, Cardonald  
 M'Queen, W. T., B.Sc., C.E., Cardonald, by Govan  
 Macquistan, Arch. L., M.A., stud., 139 Comely pk. st., Dennistoun  
 M'Quisten, A., M.A., minister, Inverkip  
 Macquisten, Fred. A., B.L., writer, Manse, Inverkip  
 Macrae, A. F., M.A., law stu., 80 S. Port'd st., Glas.  
 Macrae, Charles M., M.D., Stornoway  
 Macrae, David, minister, Dundee  
 Macrae, Donald, M.B., Macduff  
 Macrae, J., LL.B., writer, Glasgow  
 Macrae, J., M.A., student, Glasgow  
 Macrae, J. A., minister, North Uist  
 Macrae, R. C., M.A., student, Partick  
 M'Reddie, P.G., M.B., Ashbo, Wincanton, Somers't  
 Macreight, W. W., M.D., Torquay  
 M'Ritchie, Peter, M.B., Woodside cottage, Renton  
 M'Taggart, James, M.A., minister, Renton  
 MacRobert, Peter C., M.B., The Willows, Paisley  
 M'Robert, Thomas, M.A., minister, Dreghorn  
 MacRury, J., M.B., Manse, Barra  
 M'Swaine, J. F., minister, Brisbane, Australia  
 M'Taggart, C., M.A., M.B., Campbelltown  
 MacTaggart, J. C., M.A., min., Isle of Whithorn  
 M'Turk, A., B.D., minister, Inchinnan  
 M'Vail, David C., M.B., 3 St. James ter., Hillhead  
 M'Vean, J. D., M.B., Manchester  
 M'Vicar, Colin, M.A., teacher, Greenock  
 M'Vicar, P., minister, Manor, Peeblesshire  
 MacVicar, W., minister, Ordiqhul

M'Vicar, Wm. J., M.A., teacher, Glasgow  
 M'Vie, William, M.B., Bootle  
 M'Walter, William, M.B., Dowanvale, Partick  
 M'Whannell, Llewellyn, M.B., Ramsey, Isle-of-Man  
 M'Whirter, James, minister, London  
 M'Whirter, P., teacher, New Aberdeur

Nairn, Robert W., M.B., 21 Houston sq., Johnstone  
 Naismith, Charles, minister, Liverpool  
 Naismith, J., minister, Douglas Water  
 Naismith, Jas. H., M.B., New Lodge, Hamilton  
 Naismith, J. S., M.A., B.Sc., stud., Stonehouse  
 Napier, Alexander, M.D., Crosshill, Glasgow  
 Napier, Charles, M.B., Glasgow  
 Napier, G. G., M.A., merchant, Glasgow  
 Napier, J., M.A., merchant, Old Kilpatrick  
 Napier, J., M.A., engineer, 9 Woodside pl., Glasgow  
 Napier, Laurence T., B.L., advocate, Edinburgh  
 Neill, Henry, M.A., student, Didsbury  
 Neill, J., M.A., merchant, Greenock  
 Neil, J. C., M.A., student, Whifflet  
 Neilson, Henry J., M.D., Bulwell, Notts  
 Neilson, R. T., B.L., writer, Glasgow  
 Neilson, S. C., M.A., minister, Downpatrick  
 Neish, Wm. A., M.B., 14 Belmont cres., Glasgow  
 Nelson, Adam, M.A., stud., 5 Stanley st., Glasg.  
 Ness, James, M.A., LL.B., writer, Glasgow  
 Ness, R. B., M.A., M.B., 9 Sandyford pl., Glasgow  
 Ness, William F., M.A., M.B., Port-Glasgow  
 Nevin, Robert J., M.B., W. Auckland, co. Durham  
 Newlands, G. F., LL.B., writer, Hillhead  
 Newlands, Thos. S., B.D., min., Craigend, Perth  
 Newman, David, M.D., 18 Woodside pl., Glasgow  
 Nichol, Harvey, M.A., min., Parton, Kirkeudbrt.  
 Nichol, John, LL.D., ex-professor, Glasgow  
 Nichol, Robert, M.B., 273 Dumbarton rd., Glasgow  
 Nicholson, James, M.A., student, Glasgow  
 Nicholson, Roderick, minister, Applecross  
 Nicholson, W. T., M.B., Barnhill, Glasgow  
 Nicol, J., M.D., Llandudno, Wales  
 Nicol, J., Trefoil house, Shawlands  
 Nicol, J. W., M.B., 1 Westbourne gds., Kelv'side  
 Nicoll, J. H., M.B., 14 Somerset place, Glasgow  
 Nicolls, G. A., M.J., Gavisker, co. Kildare  
 Nicolson, Robert A., M.A., B.Sc., stud., Cathcart  
 Nielson, A. B., M.A., stu., B'k of Scotland ho., Glas.  
 Nimmo, Frank P., M.A., student, Busby  
 Nimmo, W. C., M.A., student, Langside  
 Nisbet, Adam T., M.B., Newton Abbot  
 Nisbet, James S., minister, Edinburgh  
 Nisbet, John, M.A., stu., Mavisbank, Partickhill  
 Nisbett, Archibald, minister, Coldstream  
 Niven, Charles R., M.B., 15 Copland rd., Govan  
 Niven, Thos. B. W., B.L., writer, Glasgow  
 Nivison, James, M.A., student, Sanquhar  
 Nixon, William, minister, Edinburgh  
 Nolan, Henry P., M.D., Dublin  
 Norris, Frederick L., M.B., St. Kitts, W. Indies

Oastler, James, M.D., 5 West Princes st., Glasgow  
 O'Hear, Joseph, B.L., stu., Maryville, Coatbridge  
 O'Kelly, E. T., M.D., Maynooth  
 Oliver, John, M.A., minister, Maryhill, Glasgow  
 Oliver, Thomas, M.D., Newcastle-on-Tyne  
 Oliver, William, M.A., minister, Llanfynydd  
 O'Neill, Charles, M.B., Coatbridge  
 Ormond, Hugh H., B.L., writer, Helensburgh  
 Orr, Alexander B. S., M.D., London

Orr, David, B.D., minister, 11 Brighton pl., Govan  
 Orr, D. W., M.B., Lindley, Huddersfield  
 Orr, George, minister, Edinburgh  
 Orr, James, M.A., D.D., prof., Edinburgh  
 Orr, John, M.D., 63 Bellgrove street, Glasgow  
 Orr, John, minister, Glasgow  
 Orr, John F., M.D., 1 Beriin ter., Pollokshields  
 Orr, J. A., M.A., minister, Broxburn  
 Orr, Robert, M.D., Glasgow  
 Orr, Robert W., minister, Brechin  
 Orr, William, M.A., student, Edinburgh  
 Orr, Wm., B.L., solicitor, Airdrie  
 Orr, William A., M.B., Johnstone  
 Orr Ewing, Sir A., Bart., Glasgow  
 Osborne, A., M.A., student, Dennistoun  
 Osborne, D., M.A., writer, Cupar-Fife  
 Osborne, H., M.A., minister, Holywood  
 Osborne, James, M.D., Bournemouth  
 Osborne, John A., M.D., Milford, co. Donegal  
 Osborne, J. Stuart, cashier, Glasgow  
 Oswald, David R., M.B., Levenbank  
 Oswald, L. R., M.B., Roy. asylum, Gartnavel  
 Otterson, Michael, M.D., Moneymore  
 Overtoun, Baron, of Overtoun, Crosslet, Dumbarton  
 Owen, R., M.A., minister, Pennal, Machynlleth  
 Owen, William Griffith, M.B., Carnarvon  
 Owens, George B., M.D., Dublin

Pagan, J., M.A., D.D., minister, Bothwell  
 Pagan, John H., M.A., stud., Manse, Bothwell  
 Pagan, R. O., M.A., W.S., Cupar-Fife  
 Palmer, B. A., M.B., Crossmaglen  
 Palmer, Joseph, M.D., Dublin  
 Park, Alexander G., M.D., Folds rd., Bolton  
 Park, Gilbert, M.B., Burnbank, Kilsyth  
 Park, Hugh H., M.B., Burnbank, Kilsyth  
 Park, Maitland H., M.A., editor, Allahabad, India  
 Park, Wm., M.B., Fourmerkland, Lockerbie  
 Park, Wm., M.B., Troedyrhiw, Glam.  
 Parker, James, M.B., 3 Orr sq., Paisley  
 Parker, James, M.D., 20 Albion cres. Glasgow  
 Parker, J. A., B.Sc., C.E., 9 Gt. George st., Hillhead  
 Parker, James H., B.L., C.A., Glasgow  
 Parker, Wm. A., M.B., 13 Hamilton cres., Partick  
 Parkin, George, M.A., minister, Northampton  
 Parlane, J., M.A., minister, Burntisland  
 Parmer, William F., M.B., London, W.  
 Parry, William, M.D., Caerswys  
 Parry, Wm. H., M.B., Llangerniew, Abergele  
 Parsons, F. H., M.D., West Worthing  
 Partington, William, M.B., Tunstall  
 Paterson, A., M.A., minister, Lilliesleaf  
 Paterson, Alex., M.A., minister, Edinburgh  
 Paterson, Alex., M.A., journalist, Leeds  
 Paterson, Alex., M.A., minister, Falkirk  
 Paterson, Alexander, M.A., student, Hillhead  
 Paterson, Alex. B., M.B., Peckham, London, S.E.  
 Paterson, Alex. C., LL.B., writer, Glasgow  
 Paterson, Alex. J. B., M.A., stud., Innerleithen  
 Paterson, A. B., B.Sc., teacher, Dundee  
 Paterson, Charles A., LL.B., adv., Madras  
 Paterson, David, B.D., probationer, Edinburgh  
 Paterson, H. P., M.A., law stu., Free So. M'nsie, P'sley  
 Paterson, H. S., M.D., minister, London  
 Paterson, James, M.D., Partick  
 Paterson, James, M.A., minister, London  
 Paterson, James, M.A., writer, Glasgow  
 Paterson, Jas., M.A., teacher, High School, Oban

- Paterson, J., D.D., minister, Glasgow  
 Paterson, J., LL.D., rector, New Brunswick  
 Paterson, James C., M.A., stu., 15 W'dside qu., Glas.  
 Paterson, John, minister, Dollar  
 Paterson, John, minister, New Deer  
 Paterson, J., M.A., M.B., Falgarth, Brecon  
 Paterson, J., B.D., minister, Airdrie  
 Paterson, J. S., B.L., writer, Glasgow  
 Paterson, Peter, B.Sc., C.E., Queensland  
 Paterson, Peter, M.B., Thirdpart, Yoker  
 Paterson, P., B.L., solicitor, Maybole  
 Paterson, Robert, minister, Glassford  
 Paterson, Robert, M.A., minister, Auchnagatt  
 Paterson, Robert, M.A., teacher, Alexandria  
 Paterson, R. M., B.D., Gugrat, India  
 Paterson, Robert P., yr., 8 Park circus, Ayr  
 Paterson, R. T., LL.B., writer, 196 St. Vincent st., Gl.  
 Paterson, Stewart, M.A., student, Hawkhill, Ayr  
 Paterson, T. L., M.B., 12 Colebrook st., Hillhead  
 Paterson, William, B.D., minister, Portobello  
 Paterson, William, writer, Glasgow  
 Paterson, Wm. A., M.B., Garscube cott., Maryhill  
 Paterson, W. A. Orr, advocate, Ayr  
 Paton, Charles D., M.A., St. Monance, Fife  
 Paton, D., D.D., minister, Adelaide  
 Paton, Edward L., M.A., M.B., Cambuslang  
 Paton, Frank H. L., M.A., stu., 2 Parkquad., Glasgow  
 Paton, G. G., LL.B., Partickhill  
 Paton, James, minister, Glasgow  
 Paton, J., M.A., student, Coatbridge  
 Paton, James, M.D., 3 Ardgowan sq., Greenock  
 Paton, J. Mure, teacher, Troon  
 Paton, J. A. H., minister, Duddingston  
 Paton, J. P., merchant, Glasgow  
 Paton, Robert A., M.B., Harperhey, Manchester  
 Paton, R. H., M.A., tutor, 1 Minard ter., P'tickhill  
 Paton, Robert T., M.D., Glasgow  
 Paton, Thomas W., M.D., Glasgow  
 Paton, Wm. F., M.A., M.B., 29 Kersland ter., Hillh'd  
 Paton, Wm. M., M.A., minister, Abernethy  
 Paton, Wm. R., M.B., 5 East st., Ilkeston  
 Patrick, C. A., M.B., Newcastle-on-Tyne  
 Patrick, David, writer, Hamilton  
 Patrick, David, B.L., writer, Glasgow  
 Patrick, James, minister, Patna, Ayr  
 Patrick, J., M.A., minister, Edinburgh  
 Patrick, John, M.A., stu., 143 Greenhead st., Glas.  
 Patrick, John A., M.A., stu., 10 Horton lane, Bradf'd  
 Patrick, R. W. C., LL.D., Woodside, Beith  
 Patrick, W., D.D., min., 5 Park place, Dundee  
 Patrick, William, M.D., 143 Greenhead st., Glasgow  
 Patterson, Alex., M.B., 22 India st., Glasgow  
 Patterson, Alexander, M.D., Glasgow  
 Pattie, Robert B., B.D., student, Glasgow  
 Pattison, David B., LL.B., student, Lenzie  
 Paul, James, M.D., Barnes, Surrey  
 Paul, Robert J., B.D., prob., Wellington rd., Nairn  
 Paul, Walter, M.A., stu., 9 Burnbank ter., Glasgow  
 Paxton, John, M.D., Kilmarnock  
 Peacock, Alex., M.B., Gourcock  
 Peacock, J., M.A., teacher, 5 Gladstone pl., Glas.  
 Pearce, J. D. M., M.A., teacher, Maidenhead  
 Pearson, Archibald, M.D., Glasgow  
 Pearson, James, minister, Kilmeny  
 Peden, Wm. K., M.B., Abbotsford pl., Glasgow  
 Peirce, G., M.D., Newcastle, co. Limerick  
 Penman, Robt. S., M.B., 12 St. James' place, Paisley  
 Penney, David J., M.B., 27 Battery pl., Rothesay  
 Penney, John W. W., M.B., Ardbeg, Rothesay  
 Percival, William, M.D., Stradbally  
 Perfect, W. E., M.A., minister, Newark  
 Perry, Robert, M.D., 11 Queen's terrace, Glasgow  
 Peterkin, A., M.A., M.B., Edinburgh  
 Pettigrew, A., minister, Balbeggie, Perth  
 Pettigrew, John, clerk, Belford  
 Petrie, Peter P., M.A., stud., Tay st., Perth  
 Phillips, Wm. F., M.B., St. Austell, Cornwall  
 Philips, G. M., B.D., minister, Forfar  
 Picken, James, M.B., Rotherham  
 Picken, J., M.A., student, St. Andrews  
 Pickering, W. M., M.B., 7 Hillhead st., Hillhead  
 Pillans, John, minister, London  
 Pinck, C. H., M.B., Nelson, Burnley  
 Pinck, W., M.B., 218 Yorkshire street, Rochdale  
 Pinkerton, Chas., M.D., 6 Queen's rd., Southport  
 Pinkerton, James C., solicitor, Perth  
 Pinkerton, John, M.D., surg. maj.-gen., Crosshill  
 Pinkerton, P., M.A., stu., 3 Walworth ter., Glasgow  
 Pinkerton, R. H., M.A., teacher, Cardiff  
 Pinkerton, Robert L., M.A., M.D., London, S.E.  
 Pinnock, Robert D., M.D., Ballarat, Australia  
 Pirie, George, M.A., student, Glasgow  
 Pirie, Robt. H., LL.B., writer, Glasgow  
 Pirret, J. B., M.A., stu., 7 Windsorquad., Glasgow  
 Pollock, A., M.A., stu., 31 Gt. Hamilton st., Paisley  
 Pollock, Alex. B., M.B., Glasgow  
 Pollock, C. Fred., M.D., Hillhead, Glasgow  
 Pollock, James, minister, Dunscore  
 Pollock, J., M.A., teacher, Galtoun  
 Pollock, J. I. W., M.A., minister, Arbroath  
 Pollock, J., surgeon, Newton-Mearns  
 Pollock, John, M.B., Eaglesham  
 Pollock, Robert, M.B., Pollokshields  
 Pollock, William, writer, Hamilton  
 Pollock, William, M.B., Eastbourne, Sussex  
 Pollok, Jas. C., B.L., law agt., Portl'd pk., H'milton  
 Pollok, James H., B.Sc., chemist, Kelvinside  
 Polson, John, minister, Jedburgh  
 Pomphrey, J., minister, Orphir, Kirkwall  
 Porteous, David, M.D., Darlington  
 Porteous, G., M.A., tch., Logie Pert, Montrose  
 Porteous, James, minister, Ballantrae  
 Porter, George, M.A., minister, Maybole  
 Porter, James, M.A., master, Cambridge  
 Porter, John, M.B., 5 Bellgrove st., Glasgow  
 Potter, J. G., minister, Newcastle-on-Tyne  
 Potts, J., M.A., teacher, 4 Selborne ter., Glasgow  
 Powrie, D. J., M.A., student, Arbroath  
 Prangnell, John T., M.D., Tarbert, Loch Fyne  
 Pratt, Arthur A., M.B., 296 Bath cres., Glasgow  
 Prentice, A., M.A., teacher, Prestonpans  
 Prentice, Alex., M.B., 66 Finnart st., Greenock  
 Prentice, A. R., B.L., solicitor, Greenock  
 Prentice, James, B.D., prob., Forth, Lanark  
 Pretsell, Wm. G., M.B., Fauldhouse  
 Pride, David, M.D., Neilston  
 Primrose, E. J., M.A., stu., 20 Balshagray av., Part'k  
 Primrose, Wm., M.B., Bishop Auckland  
 Pringle, H. T., M.D., Bridgend, Glamorgan  
 Pringle, J., M.B., Holme-on-Spalding-Moor, Yorks  
 Pritchard, Ernest Jas., M.B., Huickley, Leicester  
 Proctor, John R., M.A., student, Campbeltown  
 Prosser, Francis, M.B., Milford-Haven  
 Proudfoot, Geo., min., Onslow drive, Dennistoun  
 Provand, Wm. S., M.A., minister, Shawlands  
 Pullar, James, minister, Glenluce



Purdon, C., M.D., Curristown, West Meath  
 Purdon, Henry Samuel, M.D., Belfast  
 Purdon, William R., M.A., teacher, Johnstone  
 Purves, David, M.A., minister, Gourcock  
 Purves, John, fellow and lecturer, Oxford  
 Pyle, Wm., M.B., Portmahomack

Quaife, Wm. F., B.A., M.B., Sydney, N.S.W.

Rae, G. S., M.A., tch., 9 Wilton Drive, Glasgow  
 Rae, Matthew John, M.D., Blackburn  
 Rae, James, M.A., student, Campbeltown  
 Rae, James, M.B., 238 N. Woodside rd., Glasgow  
 Rae, R. N., M.A., minister, Lochmaben  
 Rae, Robert R., M.A., minister, London  
 Rainy, Robert, D.D., principal, Edinburgh  
 Ralston, Alex., teacher, Duntocher  
 Ralston, Gavin W., M.A., advocate, Edinburgh  
 Ramsay, Alexander, minister, Fenwick  
 Ramsay, A. M., M.D., 15 Woodside place, Glasgow  
 Ramsay, David, M.B., Finlay drive, Dennistoun  
 Ramsay, G. G., M.A., LL.D., prof., Glasgow  
 Ramsay, John K., M.D., Galston  
 Ramsay, Robert, M.D., Lochwinnoch  
 Ramsay, Robert H., M.D., Torquay  
 Ramsay, Thos., M.A., teacher, Axminster  
 Ramsay, William H., M.D., London  
 Ramsey, Robert, M.B., Prahran, Australia  
 Rankin, Alex., minister, Strathaven  
 Rankin, Alex., M.D., 4 Apsley place, Glasgow  
 Rankin, Ewen A., B.D., min., Kilmorack, Beaulieu  
 Rankin, Guthrie, M.B., 23 Jury street, Warwick  
 Rankin, H. M., M.A., 19 Park road, Glasgow  
 Rankin, J., B.Sc., univ. asst., 12 Ruthven st., K'side  
 Rankin, James, D.D., minister, Muthill  
 Rankin, J., B.L., law clk., 21 Sandyford pl., Glas.  
 Rankin, John S., M.B., 4 Apsley place, Glasgow  
 Rankin, Thos. T., B.Sc., tch., Sh'rg't'n, N. Mt. V'm'n  
 Rankin, W., M.D., Churchtown, Londonderry  
 Rankin, W. M., B.D., minister, Dennistoun  
 Rankin, W., M.A., stud., Victoria ter., Coatbridge  
 Rankine, C. H., M.A., teach., Woodford gr., Essex  
 Rankine, D., late teacher, Bathgate  
 Ray, J., M.A., minister, Anstruther  
 Readman, G., LL.B., advocate, Edin.  
 Reddie, John O., M.B., Culross  
 Redhead, Thomas J., M.B., 10 Peel st., Hull  
 Rees, Ferdinand, M.B., Kirton in Lindsey, Lincs.  
 Rees, Oswald, M.B., Park street, Macclesfield  
 Rees, Robert, M.B., West Bromwich  
 Rees, Wm. G. E., M.A., stu., Jesus Coll., Oxford  
 Reid, Alex. F., chaplain, Dundee  
 Reid, Allan, M.A., min., St. Martin, Slamannan  
 Reid, David A., B.D., minister, Monkton  
 Reid, Duncan A. C., B.D., prob., Hamilton  
 Reid, Hamilton C., M.B., Coatbridge  
 Reid, H. S., M.A., stu., 1 Annfield ter., E., Partick  
 Reid, Henry, M.A., minister, Irvine  
 Reid, Herbert, M.A., min., 13 St. Peter st., Dundee  
 Reid, James Thallon, minister, Collice  
 Reid, J. W., M.B., 2 Greenfield street, Govan  
 Reid, James W., M.A., tch., 3 Bothwell rd., Hamilton  
 Reid, John, M.B., Dromore, co. Down  
 Reid, John, M.A., student, Glasgow  
 Reid, J., M.A., minister, 96 Bellevue road, Leeds  
 Reid, John, M.D., London, W.  
 Reid, John, M.A., minister, Dundee  
 Reid, John A., M.A., advocate, Edinburgh

Reid, John, minister, Bridge-of-Allan  
 Reid, John W., M.A., teacher, Inverness  
 Reid, Matthew, B.D., minister, Greenock  
 Reid, Mungo, M.A., minister, Mearns  
 Reid, Peter B., M.A., licentiate, Glasgow  
 Reid, Robt., M.A., tch., 143 Firpark st., Dennist'n  
 Reid, Robert G., M.B., 176 Lambeth rd., London  
 Reid, Thomas, M.D., 9 Elmbank street, Glasgow  
 Reid, Thomas, M.D., Lochmaben  
 Reid, Thomas, M.A., tch., 3 Greenlaw ter., Paisley  
 Reid, W., minister, Hurlford, Kilmarnock  
 Reid, Wm., M.A., teacher, Cupar-Fife  
 Reid, Wm., D.D., minister, Edinburgh  
 Reid, William, minister, Airdrie  
 Reid, Wm., M.A., minister, Kirkintilloch  
 Reid, Wm. L., M.D., 7 Royal crescent, Glasgow  
 Renfrew, John, minister, Helensburgh  
 Renison, John, shipbroker, Kelvinside  
 Rennie, James S., M.B., Coatbridge  
 Rentoul, A., M.A., minister, Liverpool  
 Revie, Dugald, M.B., Wardha, Cent. Prov., India  
 Reyburn, H. Y., B.D., minister, Leven  
 Rhodes, Hugh, M.D., Infirmary, Sheffield  
 Rhodes, Thos. W., M.D., Manchester  
 Richard, D. T., M.D., Risca, Monmouthshire  
 Richard, W. J., M.A., M.B., 6 Sefton ter., Rutherglen  
 Richardson, C., M.A., clergyman, Edinburgh  
 Richardson, Frank B., LL.B., writer, Glasgow  
 Richmond, Andrew, M.B., Paisley  
 Richmond, And. H., M.B., New st. house, Paisley  
 Riddell, Brownlow, M.B., 1 Broomhill ter., W. P't'k  
 Riddell, J., B.A., min., 17 Bruce rd., P'lokschields  
 Riddick, S. M., M.A., minister, Grangemouth  
 Risk, R. K., M.A., law-app., Bankier ho., Bonybrige  
 Ritchie, Andrew, M.D., Pollokshaws  
 Ritchie, D., wine merchant, Glasgow  
 Ritchie, D. A., M.A., teacher, Dunoon  
 Ritchie, F. C., M.D., West Kilbride  
 Ritchie, Geo. M., B.L., writer, Glasgow  
 Ritchie, J., H.M. Customs, Gt. Grimsby  
 Ritchie, J., M.B., 106 N. Frederick st., Glasgow  
 Ritchie, John, M.B., 9 Buccleuch st., Glasgow  
 Ritchie, John, M.B., Dunoon  
 Ritchie, John, M.A., stu., Gartlands, Callander  
 Ritchie, W., M.D., minister, Bovey Tracey  
 Ritchie, Wm., M.A., stu., 25 George st., Paisley  
 Ritchie, Wm., M.A., minister, Carronshore  
 Robb, G. H., M.A., student, Busby  
 Robb, Henry, B.L., writer, 53 King st., Stirling  
 Robb, J. J., M.B., Glen Ellen, Barterholm, Paisley  
 Robb, Rich., B.D., minister, Blairdaff, Kemnay  
 Robb, T. D., M.A., teacher, Espedair st., Paisley  
 Robb, William, M.B., Finedon, Wellingboro  
 Robbie, J., minister, Edinburgh  
 Robertson, D., M.A., minister, Newcastle-on-Tyne  
 Robertson, J., ironfounder, Kirkintilloch  
 Robertson, J. S., LL.B., writer, 1 Park ter., E., Glas.  
 Robertson, William, M.B., Chapelton, W. Kilbride  
 Robertson, Wm. C., LL.B., writer, Glasgow  
 Roberts, David, M.D., London, S.E.  
 Roberts, W., M.A., minister, Glasgow  
 Robertson, A., licentiate, Hillhead  
 Robertson, Alex., M.D., Glasgow  
 Robertson, Alex., M.B., Gourcock  
 Robertson, Alex., M.B., min., Nagpore, India  
 Robertson, A., M.A., minister, Hamilton  
 Robertson, And., M.B., Marionfield, Paisley  
 Robertson, Archibald, M.A., M.B., Lamash, Arran

- Robertson, Arch. E., M.A., stu., 2 Albert terrace, Morningside, Edinburgh
- Robertson, C. E., M.B., 27 Apsley pl., Glasgow
- Robertson, D. T., M.A., stu., 20 Ardgowan sq., Grnk.
- Robertson, D. D., minister, F.C., Oban
- Robertson, David D., M.A., stu., Dunard, D'wanhill
- Robertson, D. G., M.A., writer, 35 Bath st., Glas.
- Robertson, F. W., M.A., stu., Dunard, Dowanhill
- Robertson, G., M.D., R.N., London, N.W.
- Robertson, H., M.A., teacher, Newtonhead, Ayr
- Robertson, Jas. D. D., prof., University, Glasgow
- Robertson, James, M.B., Doonbank, Patna
- Robertson, J., B.L., writer, 35 St. Vinc't cres., Glas.
- Robertson, J. A., B.A., M.B., Glasgow
- Robertson, James A., M.B., Melbourne
- Robertson, Jas. A., M.B., 38 Carr rd., Nelson, Lancs.
- Robertson, J. C., M.A., stu., Pegu cot., Kilmarnock
- Robertson, J. D., M.A., stu., 10 Valeview ter., L'side
- Robertson, J. R. M., M.D., Milson's point, Sydney
- Robertson, J., minister, Edinburgh
- Robertson, John, writer, Glasgow
- Robertson, John, minister, London
- Robertson, J., M.A., M.B., Kilmarnock
- Robertson, John A., M.D., Harthill, Sheffield
- Robertson, John A., M.A., minister, Tenandry
- Robertson, J. G., M.A., B.Sc., stud., Langside
- Robertson, John K., M.D., Greenock
- Robertson, John M., B.L., writer, Langside
- Robertson, John, M.D., Dumbarton
- Robertson, John M., M.B., Penpont, Thornhill
- Robertson, J. S., M.A., tch., Stockbridge sch., Edin.
- Robertson, Jos. M., M.A., M.B., Hillhead
- Robertson, P. F., M.D., Milngavie
- Robertson, Robert, M.B., 61 Reform st., Dundee
- Robertson, Robert, M.B., Motherwell
- Robertson, R. C., M.A., M.B., Pegu cot., Kilmarnock
- Robertson, R. T. C., M.B., Hamilton
- Robertson, R. H., accountant, Glasgow
- Robertson, Samuel, minister, Cambridge
- Robertson, Thomas, agent, Hillhead
- Robertson, T., minister, Mossbank, Lerwick
- Robertson, Wm., M.D., 7 The University, Glasgow
- Robertson, Wm., M.A., minister, Banton
- Robertson, W., B.L., writer, Partickhill
- Robertson, Wm., M.B., 6 Sandyford pl., Glasgow
- Robertson, Wm., M.B., Dennistoun
- Robertson, W. G., M.A., manuf., Elms, Arbroath
- Robinson, A., M.A., B.D., probationer, Partick
- Robinson, H. W., M.B., Clydeview ho., Partick
- Robinson, John A. G., M.A., min., Auchnafairn
- Robinson, W. C., M.A., minister, Ballykelly
- Robinson, W. T. G., M.D., Poole, Dorset
- Robson, Charles, M.A., minister, Port-Glasgow
- Robson, G., M.A., D.D., minister, Inverness
- Robson, J., D.D., minister, Aberdeen
- Robson, Wm., writer, Edinburgh
- Rock, G. H., B.Sc., c/o Navy Dept., Wash'tn, U.S.
- Rodger, Alex., M.A., student, Paisley
- Rodger, D., barrister, Prestwick
- Rodger, J., M.A., student, Dumbarton
- Rodger, Matthew, minister, St. Andrews
- Rodger, Robert, M.D., Manchester
- Rodger, R. W., merchant, Glasgow
- Rodgers, J. M., M.A., minister, Londonderry
- Rodgers, J. W., M.A., insp. of schools, Belfast
- Rodgers, Maxwell, M.D., R.N., London
- Rodgers, W. P., B.Sc., clergyman, Lasswade
- Rodgers, A. B., minister, Banff
- Rome, J. Little, minister, St. Leonards-on-Sea
- Ronald, James, minister, Annan
- Ronald, John, M.A., stu., U.P. manse, Annan
- Ronald, John G., M.B., Greenlea, Larbert
- Ronald, R. Wilson, M.D., Warrington
- Rorison, William P., minister, Dalserf
- Rose, James Landell, minister, Markinch
- Rose, William D., M.B., Park road, Hamilton
- Ross, Alexander, rector, Campbelltown
- Ross, Andrew, minister, Knockraisie, Stranraer
- Ross, Donald, M.B., Glasgow
- Ross, E., M.A., student, Gateshead-on-Tyne
- Ross, G. W. H., lt.-col., Cromarty ho., Cromarty
- Ross, J., M.A., teacher, 113 Greenhead st., Glasgow
- Ross, J. M. E., M.A., stu., 42 Windsor ter., Glasgow
- Ross, W., M.A., student, Edinburgh
- Ross, William, chaplain, Edinburgh
- Ross, William, minister, Embleton
- Ross, Z. M. H., M.A., teacher, Glasgow
- Rosser, John S., M.B., Morriston, Glamorgan
- Rothery, Ralph H., M.B., 2 Ashton pl., Hillhead
- Routledge, Joseph, M.A., teacher, Glasgow
- Routledge, R., M.B., Alecdon, Cumberland
- Rowan, John, M.B., 50 Eldon street, Greenock
- Rowat, John, M.D., Highworth, Wilts
- Rowden, Leonard A., M.B., Tyne villa, Lenzie
- Rowe, William, minister, Pollokshields, Glasgow
- Roxburgh, Alex., M.B., Glencairn, Pollokshields
- Roxburgh, Arch., M.B., Jamestown
- Roxburgh, D., M.B., Sick Child. Hosp., Glasgow
- Roxburgh, Edward, B.D., prob., Glasgow
- Roxburgh, H. A., LL.B., writer, Glasgow
- Roxburgh, James F., M.A., W.S., Edinburgh
- Roxburgh, William, M.B., 2 Portland ter., Troon
- Roy, Alex. M., M.B., 22 Millbank road, Dundee
- Roy, John, M.A., minister, Drymen
- Roy, Pramat N., M.B., Glasgow
- Ruhm, T. F., B.Sc., c/o Navy Dept., Wash'tn, U.S.
- Runciman, D. W., M.A., minister, Auckland
- Russell, Alex., M.A., lecturer, London, N.W.
- Russell, Andrew, M.A., minister, Leslie, Fife
- Russell, Andrew, minister, Bradford
- Russell, A. G., M.D., Harrogate
- Russell, Archibald, M.A., minister, Pollokshields
- Russell, D. W., M.B., 26 Broomlands st., Paisley
- Russell, Frank, M.B., Newcastle-on-Tyne
- Russell, George, M.B., Cape of Good Hope
- Russell, Hugh, M.D., Trimdon Grange, Durham
- Russell, Hugh S., M.B., Auchterhall, Newmains
- Russell, Jas., M.A., tch., 270 Gt. Western rd., Glas.
- Russell, James B., M.D., LL.D., Partick
- Russell, James C., D.D., minister, Dunoon
- Russell, J., M.A., minister, Lochwinnoch
- Russell, John, M.B., 7 Market place, Brigg, Lincolnshire
- Russell, Robt., M.A., stud., Main st., Cumbernauld
- Russell, Thos., M.B., Davidson's Mains, Midlothian
- Russell, Thomas, minister, Deptford, London
- Russell, Wm., M.B., Shipton-in-Gaven, Yorks
- Russell, Wm., M.B., 52 High st., Paisley
- Russell, Wm. W., M.A., st., 129 Renfrew st., Glas.
- Rutherford, R. W., B.D., prob., M'ount Florida
- Rutherford, T. B., B.A., M.B., Hillhead
- Rutherford, A., B.D., min., 6 Albany pl., Glas.
- Rutherford, Henry, M.A., M.B., Glasgow
- Rutherford, J., B.D., minister, Rothesay
- Ruthven, John, M.A., minister, Kinross
- Ryan, John, M.D., Ballinacally



- Samuel, George, M.A., min., Tow Law, Durham  
 Samuel, Wm., M.A., stu., 74 Cromwell st., Glasgow  
 Sandel, Anundo L., M.B., 9 Ripon st., Calcutta  
 Sandeman, Walter, M.B., Bridge of Weir  
 Sanders, Arch. G., M.B., Boreland, Lockerbie  
 Sandilands, John, M.A., M.B., Nagpore  
 Sandilands, W. P., M.B., 1 Barns terrace, Maybole  
 Sandiford, T., M.D., Castle-Martyn  
 Sarjant, S. C., vicar, Burbage, Buxton  
 Saunders, J. M., M.A., st., 7 N ham'p'n pl., Swansea  
 Saunders, Robert, minister, Tundergarth  
 Saunderson, Robert, M.D., Edenderry  
 Scanlan, Chas. E., M.B., 36 St. Charlessq. Lond., W.  
 Scanlan, H., M.B., R. N. Hospital, Haslar  
 Scanlan, Joseph, M.B., 501 Gallowgate, Glasgow  
 Scobie, Alfred, M.A., stu., Culdees, Partickhill  
 Scobie, Andrew, B.D., minister, Rochdale  
 Scobie, John, M.B., Hurlford, Ayr  
 Scobie, W., B.D., probationer, Partickhill  
 Scotland, T., M.B., Newcastle-on-Tyne  
 Scott, Alexander, M.D., Tollcross, Glasgow  
 Scott, Archibald, D.D., minister, Edinburgh  
 Scott, Archd. B., B.D., probationer, Glasgow  
 Scott, Arthur T., M.A., M.B., Glasgow  
 Scott, Charles F., M.B., Borgia, Cambuslang  
 Scott, David, D.D., minister, Saltcoats  
 Scott, E. F., M.A., stu., 14 Lawrence pl., Downhill  
 Scott, F. B., M.D., brigade-surgeon, London  
 Scott, Gavin S., M.B., East Kilbride  
 Scott, George, M.B., 86 George street, Stranraer  
 Scott, G. A. D., B.L., law-cl., 8 Roslea dr., Glasgow  
 Scott, G. J. C., minister, Wallacetown, Ayr  
 Scott, James, M.A., student, Glasgow  
 Scott, J. A. N., M.B., Warnambool, Australia  
 Scott, James H., minister, Bonkle  
 Scott, James K., B.D., minister, Fraserburgh  
 Scott, John, M.D., New street, Sandwich  
 Scott, Peter, M.D., Carnoustie  
 Scott, R., minister, Berwick-on-Tweed  
 Scott, R., M.A., minister, W. Melbourne  
 Scott, Robert, M.B., Melbourne  
 Scott, Robert D., minister, Surbiton, London  
 Scott, Thos., M.A., teacher, 104 Union st., Larkhall  
 Scott, William, minister, Braemar  
 Scott, W., M.A., Newton Cunningham  
 Scott, William D., B.D., minister, Aberdeen  
 Scott, William J., M.B., Glasgow  
 Scouler, John R., minister, Cupar-Fife  
 Scrimgeour, C. M., M.A., tch., 681 New City rd., Glas.  
 Scrymgeour, R., M.A., stu., 276 St. Vincent st., Glas.  
 Selfe, Henry S., magistrate, London  
 Selkirk, Andrew C., M.D., Carlisle  
 Selkirk, John, M.A., stud., Meadowbank, Irvine  
 Sellar, Lennox M., M.A., student, Langside  
 Sellars, Robert, minister, Greenock  
 Semple, Adam, D.D., minister, Huntly  
 Semple, Andrew, M.B., Hillhead  
 Semple, A., M.D., dep. surgeon-gen., Edinburgh  
 Semple, Miller, M.B., South Queensferry  
 Semple, William M., M.B., Bothwell  
 Seright, William, M.B., Govan  
 Service, A. H., teacher, Glasgow  
 Service, John, M.D., Spain  
 Service, John, B.L., writer, Kelvinside  
 Service, John B., B.D., min., Bolton, Haddington  
 Service, R. M., M.B., Dennistoun  
 Service, W., M.A., B.Sc., teacher, Coatbridge  
 Settle, Robert, M.D., Bolton, Lancs.  
 Sewell, W. R., M.D., Helensburgh  
 Shaen, R., M.A., minister, Royston  
 Shand, A. B., LL.D., ex-sen. of Coll. of Jus., Edin.  
 Shand, John C., M.B., Penrith, N.S.W.  
 Shand, William, M.B., Guisboro'  
 Shanks, Alex., M.D., Longsight, Manchester  
 Shanks, D., M.A., student, Glasgow  
 Shanks, Thomas, M.A., student, Airdrie  
 Shannon, James, M.A., stu., Braidwood, Carlisle  
 Shannon, John A., M.A., student, Pollokshields  
 Shannon, Peter, M.D., Dublin  
 Sharman, M., M.B., Leicester  
 Sharp, Robt., M.B., 13 Caddlehill, Greenock  
 Sharpe, James, M.D., Coothill  
 Sharpe, John, M.A., student, Glasgow  
 Sharpe, Wm., B.Sc., marine engineer, 21 Herriet street, Pollokshields  
 Shaw, Adam, M.A., student, Glasgow  
 Shaw, Alexander, surgeon, London  
 Shaw, Archd., M.B., Jura  
 Shaw, Charles G., writer, Ayr  
 Shaw, James, surgeon, Sheerness  
 Shaw, James, M.D., Waddesdon, Aylesbury  
 Shaw, Wm., 5 Craigmere road, Rothesay  
 Shearar, Frank, M.B., 7 St. James' place, Paisley  
 Shearer, David, M.A., minister, Shapinsay  
 Shearer, Robert B., LL.B., writer, Greenock  
 Shearer, Robert P., M.B., Bedlington  
 Shedden, Hugh, M.A., teacher, Grangemouth  
 Shedden, Robert, land surveyor, Beith  
 Shedden, Thos., 47 W. Cromwell rd., Lond., S.W.  
 Shedlock, John, M.A., minister, London  
 Shepherd, W., M.A., minister, Aberdeen  
 Shields, Thomas, M.A., student, Glasgow  
 Shields, Wm. H., B.Sc., C.E., Perth, W. Australia  
 Shiels, A., B.Sc., M.B., 190 Bath street, Glasgow  
 Short, Charles, M.A., D.D., minister, Dundee  
 Short, James, M.A., tch., 40 Blantyre st., Glasgow  
 Sim, James B., M.D., Nottingham  
 Sim, Norman, M.A., teacher, 9 Ibrox ter., Govan  
 Sime, David, M.D., Harringay, London, N.  
 Sime, Wm. N., M.B., manse, Dundonald, Kilmar'k  
 Simmons, Arthur, M.A., minister, Ladybank  
 Simpson, D. M., M.A., tch., Chapelside pl., Airdrie  
 Simpson, George, M.A., teacher, Dundee  
 Simpson, J., LL.B., solicitor, Edinburgh  
 Simpson, J., LL.D., minister, Edinburgh  
 Simpson, James C., M.D., Glasgow  
 Simpson, John P., M.D., London, N.  
 Simpson, Pierce A., M.A., M.D., prof., Glasgow  
 Simpson, R., B.D., minister, Dunscore, Dumfries  
 Simpson, R., B.Sc., student, Pollokshields  
 Simpson, R. A., M.B., Egmont, London  
 Simpson, Thomas, M.A., teacher, Dundee  
 Simpson, W., M.A., stud., 21 Campbell st., Maryhill  
 Sinclair, David, M.B., Great Horton, Bradford  
 Sinclair, Dugald, M.B., 6 E. Park ter., Maryhill  
 Sinclair, Eric, M.D., Gladesville, N.S.W.  
 Sinclair, Henry W., M.B., Carnwath  
 St. Clair, James A., M.B., Blackburn  
 Sinclair, J., M.B., Withnell, Chorley  
 Sinclair, John, B.D., minister, Dundee  
 Sinclair, John, M.D., Liverpool  
 Sinclair, J., minister, Egg, by Oban  
 Sinclair, J., M.B., Bo'ness  
 Sinclair, John, M.B., 2 Golfhill terrace, Glasgow  
 Sinclair, John D., B.D., Ajmere lodge, Langside  
 Sinclair, Robert, M.D., 8 Prospect place, Dundee

- Sinclair, R. A., M.A., min., Eastfield, Cambuslang  
 Sinclair, Wm., minister, Kinnaird  
 Skene, Wm., M.D., Unity square, Lincoln  
 Skottowe, Alex. J. F., M.D., Hamilton  
 Slater, John T., M.D., London, N.  
 Slimon, Geo. C., M.D., 277 Mare st., London, E.  
 Slimon, Wm., M.B., 4 York place, London, E.  
 Sloan, Arch., M.B., 272 Bath street, Glasgow  
 Sloan, D., M.D., Catrine, Mauchline  
 Sloan, Hugh R., M.D., Market sq., Galashiels  
 Sloan, John, M.B., Bramley, Leeds  
 Sloan, John, M.A., minister, Langside  
 Sloan, J., M.D., prob., 7 Palmerston road, Edin.  
 Sloan, Samuel, M.D., 5 Somerset place, Glasgow  
 Sloan, T. G., M.A., M.B., 7 Palmerston rd., Edin.  
 Sloan, William, M.D., Dalry, Ayrshire  
 Sloggett, H. C., M.B., Edmonton, London  
 Slowan, W. J. M., M.B., Hilton, Kilmalcolm  
 Small, F. W., B.D., curate, St. Peter's, London, S.W.  
 Small, Robert, minister, Galashiels  
 Smart, Wm., M.A., student, Dowanhill  
 Smith, Adam, M.A., teacher, Glasgow  
 Smith, Algernon W., M.D., Glasgow  
 Smith, A., M.A., stud., 2 Millbrae road, Langside  
 Smith, Alex. Muir, M.D., Bearsden  
 Smith, Alex. R., M.B., Parkgate, Paisley  
 Smith, A.M., M.A., stud., 60 St. Vincent cres., Glas.  
 Smith, And. F., M.A., student, Whithorn  
 Smith, And. M., M.A., minister, Sunderland  
 Smith, David, M.B., Greenbank, Cumnock  
 Smith, David, M.A., student, Arbroath  
 Smith, David, M.A., minister, Stirling  
 Smith, David, M.A., student, Hillhead  
 Smith, David M., M.B., 216 Crown st., Glasgow  
 Smith, David T., M.B., 2 Fishergate hill, Preston  
 Smith, D. T., M.A., B.Sc., tch., 3 Stirling st., Paisly  
 Smith, D. W., M.A., law stud., 22 Newton pl., Glas.  
 Smith, Edward, M.B., Bolton  
 Smith, Fergus, M.A., teacher, Glasgow  
 Smith, F. A., M.D., Cheltenham  
 Smith, F. B., B.Sc., mining engineer, Ardrossan  
 Smith, Gabriel, minister, Anstruther  
 Smith, G., M.A., stu., schoolhouse, Uddingston  
 Smith, G. M., M.A., stud., Buchlyvie  
 Smith, G. M., minister, Stirling  
 Smith, Hugh, M.A., tch., 37 Kelvinside av., Glas.  
 Smith, James, writer, 21 Bath street, Glasgow  
 Smith, James, D.D., minister, Cathcart  
 Smith, James, minister, Kelvinside  
 Smith, James, M.A., student, Glasgow  
 Smith, James F., M.A., student, Whithorn  
 Smith, James S., M.A., student, Newmains  
 Smith, J., M.A., LL.D., ins. of sc., Uddingston  
 Smith, James, M.A., minister, Sheffield  
 Smith, Jas., M.B., Mauchline  
 Smith, J. A., M.A., stud., Noble Hill, Dumfries  
 Smith, James P., M.B., Dingwall  
 Smith, John, M.A., stu., 18 High st., Haddington  
 Smith, John, M.A., M.B., Motherwell  
 Smith, John, minister, 10 Newton st., Glasgow  
 Smith, John M., M.D., View Bank, West Calder  
 Smith, John, B.D., minister, Partick  
 Smith, John B., writer, Glasgow  
 Smith, James C. A., M.B., Glasgow  
 Smith, John C., M.A., stud., Milliken Park  
 Smith, John T., M.A., student, Glasgow  
 Smith, John T., M.B., 56 Whitevale st., D'nistoun  
 Smith, J. S. W., B.L., writer, Glasgow  
 Smith, P., LL.B., advocate, Edinburgh  
 Smith, Patrick A., M.B., Glasgow  
 Smith, P. C., M.A., M.D., Motherwell  
 Smith, Robert A., M.D., Sunderland  
 Smith, R. H., sheriff-clerk, Whithorn  
 Smith, R. W., B.Sc., chem., Chem'l. Works, Bathgate  
 Smith, Stevenson, minister, Sanquhar  
 Smith, T. G., B.L., solicitor, Paisley  
 Smith, William, minister, Douglas  
 Smith, W., M.A., minister, Forth, by Lanark  
 Smith, W., B.L., writer, Glasgow  
 Smith, Wm. C., B.D., prob., Strathbungo  
 Smith, William G. C., M.B., Cromarty  
 Smith, Wm. K., B.L., law-agent, Glasgow  
 Smith, W. M., M.B., Moreton-on-Marsh, Glouce.  
 Smith, William M., M.B., Raemore, Ayr  
 Smith, W. S., M.A., stu., 110 N. Fred'r'k st., Glas.  
 Smyth, Alex., M.B., 239 Buchanan st., Glasgow  
 Smyth, Andrew, M.D., Ballymena  
 Smyth, J., M.A., minister, Teskanore  
 Smyth, Lewis, M.D., Lewes  
 Smyth, R. J., M.A., minister, Letterkenney  
 Smyth, S., M.D., Mount Charles  
 Smyth, W. D., M.D., R.N., London, W.  
 Sneddon, William, M.D., Beith  
 Snodgrass, William, M.A., M.B., Dowanhill  
 Soden, E., M.D., Mohill, county Leitrim  
 Soga, W. A., M.B., Kaffraria  
 Somerville, A., B.Sc., 4 Bute mansions, Hillhead  
 Somerville, Graham L., B.L., writer, Glasgow  
 Somerville, J. E., B.D., minister, Hillhead  
 Somerville, Jas. E., M.D., Leap, county Cork  
 Somerville, John, M.D., Sheffield  
 Somerville, T., M.A., minister, Glasgow  
 Somerville, W. F., M.A., B.Sc., M.D., Hillhead  
 Sommerville, John R., M.D., Ayr  
 Sorlie, James, M.A., teacher, Plockton  
 Souden, James, M.A., student, Renfrew  
 Soutar, G. S., M.A., minister, Sandwick, Orkney  
 Spark, J., M.A., minister, Clyne, Sutherland  
 Spark, Robert K., M.A., minister, Durris  
 Spearing, A., M.D., Riverside, Antrim  
 Speir, William R., M.B., Haltwhistle  
 Speirs, Douglas, M.D., Glasgow  
 Speirs, E. B., B.D., minister, Glendevon  
 Speirs, John L., M.B., Gateshead-on-Tyne  
 Spence, W. W., M.B., 288 Paisley rd., Glasgow  
 Spence, William, ironmonger, Glasgow  
 Spencer, William C., M.B., Manchester  
 Spens, John G., M.A., law app., 1 Princes gds., Glas.  
 Spens, W. C., LL.D., sheriff-substitute, Glasgow  
 Sprott, Andrew, M.B., Glenridding, Penrith  
 Sprott, G. W., D.D., minister, North Berwick  
 Sprott, Gregory, M.B., Manchester  
 Sprott, Harold G. H., M.A., st., Manse, N. Berw'k  
 Stack, Maurice T., M.B., Crich, Derbyshire  
 Stafford, J. O., M.A., stud., Mouswald, Dumfries  
 Stafford, William, M.B., Nottingham  
 Stainthorpe, W. W., M.D., Saltburn-by-Sea, Yorks  
 Stalker, G. A., M.A., stu., Inverchaolain, Toward  
 Stallybrass, T. C., minister, Westham, Essex  
 Stanley, Henry, M.D., Portadown  
 Stanton, John S., M.A., st., 14 High Cr's st., Leices'r  
 Stark, James, minister, Gourrock  
 Stead, F. H., M.A., min., 32 Hornsey Rise, Lond'n, N  
 Steedman, J. F., M.D., Wellington  
 Steel, Edward H., M.A., min., Thornton, Bradford  
 Steel, James, M.A., minister, Bonnybridge

- Steel, James, M.A., stu., 239 St. Vincent st., Glas.  
 Steel, Robert, M.A., M.B., 7 Sandfy'd pl., Glasgow  
 Steel, Thomas, dyer, Calton  
 Steel, Thomas Heron, M.D., Glasgow  
 Steel, W., M.B., 280 Dalmarnock street, Glasgow  
 Steele, Charles, M.A., minister, Cambusnethan  
 Steele, Geo., M.B., Livingstonia, Africa  
 Steele, John, minister, Portmook, Kinross  
 Steele, Ross S., M.B., Dalry, Ayrshire  
 Steele, Thomas, M.A., student, Glasgow  
 Steele, W. C., LL.B., advocate, Edinburgh  
 Steele, William C., M.B., The Parks, Lond'nderry  
 Steen, G., M.A., minister, Keady, co. Armagh  
 Steil, James W. H., M.B., Oakham, Rutland  
 Stenhouse, J., assayer, Royal mint, London  
 Stenhouse, W. M., M.D., New Zealand  
 Stephen, F. J., M.A., student, Linthouse, Govan  
 Stephens, J., M.A., minister, Berwick  
 Stephenson, F. L., M.B., Hill house, Woolwich  
 Stephenson, Robert, M.A., physician, Belfast  
 Steven, Charles B., writer, Edinburgh  
 Steven, John L., M.D., 34 Berkeley ter., Glasgow  
 Steven, Robert, surgeon, Tollcross  
 Steven, Samuel, LL.B., law-clerk, Hillhead  
 Steven, W. M.C., M.A., stu., 4 M'ck'y cot, Whiteinch  
 Stevens, J. B., M.B., Beechcroft, Paisley rd, Renfrew  
 Stevens, Robert, M.A., minister, Coleford  
 Stevenson, Alexander, Glasgow  
 Stevenson, D. L., M.A., stu., 12 Monteith row, Glas.  
 Stevenson, G., minister, Pulteneytown  
 Stevenson, Hugh, M.A., stu., 4 India st., Partick  
 Stevenson, Hugh, minister, Melrose  
 Stevenson, Hugh, M.A., stu., 137 St. Vinc't st., Glas.  
 Stevenson, James, junr., merchant, Glasgow  
 Stevenson, James, M.D., Kilmalcolm  
 Stevenson, J. C., manufacturer, London, W.  
 Stevenson, James, minister, Edinburgh  
 Stevenson, James, M.B., Clydebank  
 Stevenson, John, M.B., High street, Forfar  
 Stevenson, J., B.D., minister, Kilcreggan  
 Stevenson, J. J., M.A., architect, London, W.  
 Stevenson, J., M.A., chemist, High Smithston  
 Stevenson, J., M.B., 97 Causeyside, Paisley  
 Stevenson, N., M.A., stu., 11 Langlands rd., Govan  
 Stevenson, Robert, M.A., minister, Forfar  
 Stevenson, R., M.A., minister, Dunfermline  
 Stevenson, R., M.B., Innellan  
 Stevenson, Robt., M.B., Changue, Old Cumnock  
 Stevenson, Robert H., M.A., chaplain, Madras  
 Stevenson, Thomas, minister, Balmaghie  
 Stevenson, Thomas, minister, Edinburgh  
 Stevenson, W., M.A., minister, Auchtertool  
 Stevenson, Wm., minister, Bothkennar  
 Stevenson, Wm., M.A., teacher, 29 Scotia st., Glas.  
 Stevenson, W. F., M.A., minister, Rutherglen  
 Stevenson, W. F., M.A., minister, Dublin  
 Steuart, J. W., B.L., writer, Wemyss bay  
 Stewart, A., B.D., minister, E.U. Church, Ayr  
 Stewart, A., M.D., Pendleton, Manchester  
 Stewart, A., M.B., Uphall, Linlithgowshire  
 Stewart, Alex., M.A., teacher, Fraserburgh  
 Stewart, Alex. M., M.A., student, London  
 Stewart, And., M.B., Glasgow  
 Stewart, Angus, min., Kilmartin, Lochgilphead  
 Stewart, Archd. D., M.B., Glasgow  
 Stewart, Charles, M.B., 19 Windsor ter., Glasgow  
 Stewart, Chas. W., M.A., M.D., Glasgow  
 Stewart, Donald, M.D., Nottingham  
 Stewart, Geo. C., M.B., Kelvindale, Maryhill  
 Stewart, Geo. S., M.A., stu., 2 Afton st., Langside  
 Stewart, Hugh G., M.B., Roxburgh ter., Dunbar  
 Stewart, James, M.D., Whitty  
 Stewart, James, teacher, Kilmarnock  
 Stewart, James, B.L., assistant clerk, Glasgow  
 Stewart, J. A., M.B., Spott manse, Dunbar  
 Stewart, J. B., M.A., M.B., 71 Ashbourne rd., Derby  
 Stewart, John, M.B., Longcroft, Renfrew  
 Stewart, John, M.A., stu., E. High street, Crief  
 Stewart, John, M.D., 62 Abbotsford pl., Glasgow  
 Stewart, John D., minister, Crossmichael  
 Stewart, John G., B.Sc., C.E., Glasgow  
 Stewart, J. M. Y., M.B., 271 Sauchiehall st., Glas.  
 Stewart, John, D.D., minister, Glasgow  
 Stewart, J. R. W., M.A., student, Glasgow  
 Stewart, John W., B.D., minister, Cleator Moor  
 Stewart, Paul, M.B., 16 Athole gds., Kelvininside  
 Stewart, Peter, M.B., Langley Moor  
 Stewart, Richard M., minister, St. Andrews  
 Stewart, R., D.D., minister, Edinburgh  
 Stewart, Robert, minister, Glasgow  
 Stewart, Robert, M.D., Carluke  
 Stewart, Robert, minister, Lisbon  
 Stewart, R. M., M.A., min., Erskine, Bishopton  
 Stewart, Robert S., M.D., Bridgend, Glamorgan  
 Stewart, T., M.B., 405 Gallowgate, Glasgow  
 Stewart, T. M., LL.B., Dowanhill  
 Stewart, W., M.A., stu., School ho., Gartsherrie  
 Stewart, William, M.D., Bacup  
 Stewart, William, M.B., Hillocks, Rutherglen  
 Stewart, W., M.D., Hyde Park, London  
 Stewart, W., M.A., D.D., professor, Glasgow  
 Stewart, W., M.A., bar., 3 Hare ct., Temple, L'n.E.C.  
 Stewart, William, M.D., Portadown  
 Stewart, William A., M.A., student, Glasgow  
 Stiell, David, M.B., Yeaths, Lanark  
 Stillie, John, minister, Girvan  
 Stirling, Alexander, minister, London  
 Stirling, C., M.B., Bermondsey, London, S.E.  
 Stirling, James, M.A., M.B., 34 W.E. pk. st., Gla.  
 Stirling, James H., LL.D., F.R.C.S.E., Edinburgh  
 Stirling, Robert, M.B., 286 Nuneaton st., Glas.  
 Stirling, William, minister, Coatbridge  
 Stirling, W., M.A., stu., 4 Glencairn dr., P'shield  
 Stobbs, S. S., minister, Edinburgh  
 Stobo, George, M.D., Renfrew  
 Stobo, Robert, M.B., Castle Lodge, Uddingston  
 Stone, David, M.B., 19 Horsemarket, N'ampton  
 Stonebridge, W. H., M.A., minister, Cullen  
 Stormont, David D., M.A., student, Govan  
 Story, R. Herbert, D.D., prof., University, Glas.  
 Stout, T., M.A., B.L., writer, Glasgow  
 Stowell, J. H., M.A., minister, Barry, Cardiff  
 Strachan, Benjamin, M.B., Sunderland  
 Strachan, James, M.A., teacher, Glasgow  
 Strachan, R. R., M.A., stu., Barvas, Stornoway  
 Strain, W. L., M.B., Selkirk  
 Strang, George W., M.A., minister, Campbelltown  
 Strang, James, M.B., Thornliebank  
 Strang, John, M.B., Campbelltown  
 Strang, John, clerk, Pollokshaws  
 Strang-Watkins, G. Y., writer, Glasgow  
 Strathern, Robert, W.S., Edinburgh  
 Strong, D., D.D., minister, Kelvinside, Glasgow  
 Strong, D. R. T., M.B., 17 Westbourne gds., Gla.  
 Struthers, A., M.A., tch., Sciennes school, Edin.  
 Struthers, John, tutor, Overfield, Strathaven



- Struthers, John, M.A., H.M. In. of Sch., Edinburgh  
 Struthers, William, M.A., assist. minister, Lenzie  
 Stuart, Alexander, LL.B., littérateur, Langside  
 Stuart, Alex. M., LL.D., prof., University, Glas.  
 Stuart, Hamish H., LL.B., advocate, Edinburgh  
 Stuart, James, B.Sc., C.E., Stanley villa, Langside  
 Stuart, John, M.A., tutor, Univ. Coll., Jamaica  
 Stuart, Wm., B.D., minister, Wallsend-on-Tyne  
 Stuart, W. L., M.D., St. Rowan's, Forres  
 Suddard, F. E., M.A., teacher, London, W.C.  
 Sutherland, A. N., M.A., minister, Rothesay  
 Sutherland, Arthur, M.B., Invergordon  
 Sutherland, H., M.A., minister, Cumbernauld  
 Sutherland, J., M.A., minister, Dunbar  
 Sutherland, L. R., M.B., 4 Hillsborough sq., H'head  
 Sutherland, Rod. T., M.B., Hawthorn, Melbourne  
 Sutherland, W., M.D., West Hartlepool  
 Swail, George T., M.B., Macclesfield  
 Swan, Archibald A., B.Sc., C.E., Glasgow  
 Swan, C. J., LL.B., student, Greenock  
 Swan, David, manufacturer, Glasgow  
 Swan, James, 5 Clairmont gds., Glasgow  
 Swan, William, shipbuilder, Maryhill  
 Swan, Wm., B.D., assistant minister, Larkhall  
 Swanson, James, M.A., M.B., Glasgow  
 Swanson, W., M.A., teach., 26 Aitchison st., Airdrie  
 Swanston, W., M.A., LL.B., writer, Glasgow  
 Sweeney, W. F., M.B., Jagerfontein, Africa  
 Sweetenham, W. K., M.D., London  
 Swift, Benjamin, M.D., Dover  
 Sydenham, Geo. M., M.B., 4 Clinton ter., Exmouth  
 Syme, J. G. S., M.A., clergyman, Hamilton  
 Symes, Glascott, M.D., Kingstown  
 Symington, Alexander B., M.A., editor, Paisley  
 Symington, Chas., M.B., Kirkconnel, Sanquhar  
 Syson, John C., M.D., Whinbank bldgs., Armadale
- Tagert, R. M., M.D., Monkston, co. Dublin  
 Tait, John H., LL.B., advocate, Edinburgh  
 Tait, T., M.A., student, Orbst, Australia  
 Taniguchi, Naosada, B.Sc., C.E., London  
 Tannahill, T. F., M.B., Borstal, Rochester  
 Tanner, W. K., M.D., Teap Island, Ckr  
 Tannock, John P., M.B., 17 Ardgowan st., Green'k  
 Tant, Edward B., M.B., Uddingston  
 Taplin, James F., M.D., Small Heath  
 Tarbert, Richard, teacher, Darvel  
 Tarbett, Robert, M.A., minister, Buittle  
 Tarrell, John A., M.A., student, Coatdyke  
 Taylor, Alexander, M.B., Glasgow  
 Taylor, Alex., M.A., stu., 13 Granby ter., Hillhead  
 Taylor, Alex. L., M.A., teacher, Glasgow  
 Taylor, Arthur W., M.B., 94 Toller lane, Bradford  
 Taylor, D. M., M.A., M.B., Woodburn, Rosneath  
 Taylor, David, M.B., 144 Wellington st., Glasgow  
 Taylor, D., minister, Avondale, Strathaven  
 Taylor, Francis, M.B., Hillhead  
 Taylor, Geo. W., M.A., assistant min., Galashiels  
 Taylor, J. W., M.A., student, Newton-Mearns  
 Taylor, J. M., writer, Glasgow  
 Taylor, John, M.A., teacher, Paisley  
 Taylor, M. C., D.D., professor, Edinburgh  
 Taylor, M. T. S., M.A., missionary, Langholm  
 Taylor, Peter, M.A., student, King Edward  
 Taylor, Robert, minister, New Pitsligo  
 Taylor, Robert, M.B., Buistonend, Kilmaurs  
 Taylor, R., min., Twyford, Melton Mowbray  
 Taylor, R. B., M.A., stu., 1 Hamilton dr., Hillhead
- Taylor, Robert D., M.D., 7 Cecil place, Glasgow  
 Taylor, Robert G., M.B., 16 Church street, Partick  
 Taylor, M. H., M.D., Johnstone  
 Taylor, Wm. M., M.A., minister, New York  
 Taylor, Wm., M.A., minister, Montrose  
 Taylor, Wm., M.A., teacher, Paisley  
 Taylor, William, M.D., Chester  
 Taylor, William, M.B., Glasgow  
 Taylor, W. C., M.A., minister, Oban  
 Taylor, Wm. C., M.D., 80 Nelson ter., Sheffield  
 Teacher, J. H., M.A., stu., 32 Huntly gar., Glasgow  
 Temple, Chas. D., M.B., Comrie  
 Temple, Lewis D., M.B., Ballantrae  
 Templeton, A., M.A., tutor, Kilmaurs  
 Templeton, Archd., M.D., Glasgow  
 Templeton, T., M.A., engineer, Kinnoul, by Perth  
 Tennant, G., M.B., Strathmore, Harrogate  
 Tennent, Gavin P., M.D., 159 Bath st., Glasgow  
 Tennent, Joseph T., M.B., Bathgate  
 Tennent, J., B.L., writer, 1 Granby ter., Hillhead  
 Tennent, Patrick, W.S., Edinburgh  
 Ternan, John, M.D., London  
 Theobald, Robert M., M.A., M.D., Lee, Lond., S.E.  
 Theophilus, D., M.A., student, London, E.  
 Thom, Patrick B., M.A., minister, Fossoway  
 Thomas, David, minister, Lockerbie  
 Thomas, D., M.A., minister, Pennyquick  
 Thomas, James, M.D., Selkirk  
 Thomas, John O., M.A., minister, Aberdovey  
 Thomas, Maurice, M.B., Llangybrie, Pwllheli  
 Thomas, W., M.A., solicitor, Glasgow  
 Thompson, Jas. A. B., M.D., Totnes  
 Thompson, J. C., B.L., writer, 172 St. Vinc't st., Glas.  
 Thompson, Robert, M.D., Johnstown, Kilk.  
 Thompson, S., M.A., minister, Donegal  
 Thoms, James A., M.B., 70 Finlay drive, Glasgow  
 Thomson, Alex., M.D., Dumfries  
 Thomson, Alex. T., M.D., Glasgow  
 Thomson, A., D.D., minister, Edinburgh  
 Thomson, A. W., D.Sc., C.E., professor, Poona  
 Thomson, Chas., B.D., minister, Girvan  
 Thomson, D., M.D., Luton, Bedfordshire  
 Thomson, E. B., M.D., Albany place, Plymouth  
 Thomson, George, M.B., Coatbridge  
 Thomson, G. W., M.D., Orcadia, Pollokshields  
 Thomson, Hugh, minister, Glasgow  
 Thomson, James, minister, Magherally  
 Thomson, James, M.B., Hallsdale farm, Newton  
 Thomson, James, LL.B., advocate, Edinburgh  
 Thomson, James, M.A., student, Glasgow  
 Thomson, James K., minister, Hillhead  
 Thomson, James, M.B., Irvine  
 Thomson, J., M.A., C.E., Newcastle-on-Tyne  
 Thomson, J. H., B.D., minister, London  
 Thomson, John, minister, Kilmarnock  
 Thomson, John, minister, Liverpool  
 Thomson, J., minister, Newcastle-on-Tyne  
 Thomson, John, minister, Campbelltown  
 Thomson, John C., M.A., minister, Annan  
 Thomson, J. J., M.A., stu., Osmaston rd., Derby  
 Thomson, J. E. H., B.D., Stirling  
 Thomson, J. S., M.A., student, Thornliebank  
 Thomson, N. H., advocate, Edinburgh  
 Thomson, Peter, minister, Southend  
 Thomson, Peter, minister, Paisley  
 Thomson, P., B.Sc., stu., 1 Strathleven pl., Dumb'n  
 Thomson, P. D., M.A., stu., Tigh-na-mara, Rosneath  
 Thomson, P. T., M.A., stu., Comely bk., Cellardyke

- Thomson, Robert, minister, Glasgow  
 Thomson, R., M.A., minister, Aberdeen  
 Thomson, R. S., B.Sc., M.B., Glasgow  
 Thomson, S. M., M.A., coalmaster, Glasgow  
 Thomson, Sholto D., M.B., 108 Buccleuch st., Glas.  
 Thomson, Thomas, M.D., Maidstone  
 Thomson, Thomas, M.B., Penrith  
 Thomson, W., minister, Edinburgh  
 Thomson, W., B.L., law-clerk, Airdrie  
 Thomson, W., minister, Glasgow  
 Thomson, W., M.A., minister, Maybole  
 Thomson, W., M.A., stu., Langdale, Kilmarnock  
 Thomson, W. B., B.D., minister, Galashiels  
 Thomson, W. E. F., M.A., M.B., 7 Lindsay ter.,  
 Dowanhill  
 Thomson, William R., B.D., minister, Glasgow  
 Thomson, W. S., M.D., London, W.  
 Thomson, W. D., M.A., minister, Dumfries  
 Thomson, William J., M.D., Carlisle  
 Thomson, W. S., minister, Laurieston, Falkirk  
 Thorburn, R. T., surgeon, Loanhead  
 Thorburn, William, M.A., minister, Bury  
 Thornley, Joseph, M.D., Bolton  
 Thorp, Geo. M. E., M.B., 2 Ashton pl., Hillhead  
 Threshie, D.M., M.A., stu., 1 Balgray ter., Springb'n  
 Tindal, And. S., M.D., 38 Queen sq., Glasgow  
 Tindal, David, M.D., 28 Queen's sq., Strathbungo  
 Tod, Alexander, merchant, London  
 Todd, George B., M.B., 26 Bank street, Hillhead  
 Todd, James, M.B., 183 Greenhead ter., Glasgow  
 Todd, James C., B.Sc., student, Dollar  
 Todd, Wm., M.A., stud., 168 Henderson st., Glas.  
 Topping, J. S., M.A., tch., 6 Binnie pl., Glasgow  
 Topping, J. P., M.B., London, E.  
 Torrance, D. W., M.B., Hillhead  
 Torrance, John, minister, Glasgow  
 Torrance, John, B.D., missionary, Poona, Bomb'y  
 Torrie, William, M.A., minister, Lismore  
 Trimble, R., M.D., Walton-le-Dale, Preston  
 Tudhope, A. P., M.B., Coatbridge  
 Turnbull, C. S., M.A., minister, Blantyre  
 Turnbull, George, M.A., minister, Dailly  
 Turnbull, J. A., LL.B., writer, Glasgow  
 Turnbull, John, writer, Glasgow  
 Turnbull, Mungo, M.D., Cambuslang  
 Turnbull, P. S., M.D., dep. surg.-gen., Edinburgh  
 Turner, Andrew D., M.B., London, S.E.  
 Turner, Duncan, M.A., minister, Huntly  
 Turner, Eben, M.B., 5 Church street, Pathhead  
 Turner, George N., M.B., 1 Clifton pl., Glasgow  
 Turner, J. H. T., B.Sc., C.E., C.E. Inst., L'nd'n, S.W.  
 Turner, Robert, minister, Kinnettles  
 Turner, W., farmer, Gavinburn, Old Kilpatrick  
 Turner, W. Y., M.D., Jamaica, W.I.  
 Tweedy, Henry, M.D., Dublin  
 Underwood, A., M.A., minister, Burton-on-Trent  
 Ure, Alex., LL.B., advocate, Edinburgh  
 Ure, James A., M.B., Stalybridge, Manchester  
 Ure, John, clerk, 150 Woodlands road, Glasgow  
 Ure, John, M.A., student, Elm cottage, Bothwell  
 Ure, Neil Shaw, minister, Largs  
 Ure, R., LL.B., writer, 21 Lansdowne cres., Glas.  
 Valentine, George, M.B., Girvan  
 Vallance, J. M., M.B., 33 W. Cumberland st., Glas.  
 Vallance, W., M.A., stu., 36 Roselea drive, Glasgow  
 Vass, James, M.A., solicitor, Ayr  
 Vaughan, John, M.A., stu., 25 Leverst., London, E.C.  
 Veitch, J., M.A., LL.D., professor, Glasgow  
 Veitch, Robert, M.A., student, Rochdale  
 Venters, Robert, M.A., student, Stirling  
 Venters, Wm. B., B.Sc., C.E., 175 Hope st., Glas.  
 Vernon, R., M.D., Audley, Newcastle-under-Ly.  
 Viehoff, J. M., B.Sc., Engineer, London, E.C.  
 Vost, William, M.B., Glasgow  
 Waddell, A. R., M.D., Kidderminster  
 Waddell, David, M.A., tch., 12 Minerva st., Glas.  
 Waddell, Laurence A., M.B., Glasgow  
 Waddell, P. H., B.D., minister, Prestonkirk  
 Waddell, T. C., D.D., Cumbernauld  
 Waddell, Walter, minister, Borthwick  
 Waddell, Wm., M.D., Rusholme  
 Waddell, W. W., M.A., insp'r. of schools, Stirling  
 Waddington, Isaac, M.D., Bradford  
 Wakefield, Wm., M.D., London  
 Wainwright, Chas. Wm., B.L., law-clerk, Eldersli.  
 Walker, Alex., M.A., minister, Millport  
 Walker, Alex., M.A., minister, Shawlands  
 Walker, A. O., B.L., writer, 256 Renfrew st., Glas.  
 Walker, Allan, M.B., Seaton Burn  
 Walker, A. F., M.B., Hawthorn cot., Newmains  
 Walker, Archibald, minister, Row  
 Walker, David, M.A., min., Newton ter., Glasgow  
 Walker, E. A., M.A., stu., The Grange, Uddingsto  
 Walker, George, M.D., Birkenhead  
 Walker, H., M.A., stu., Kirkland villa, Po'ksh'w  
 Walker, H., M.A., prof., St. David's col., Lampete  
 Walker, James, preacher, Glasgow  
 Walker, J. C., M.A., probationer, Rothesay  
 Walker, P. H., M.B., Prestwick  
 Walker, Robert, M.D., Portobello  
 Walker, R., M.A., B.D., min., High Skelmorlie  
 Walker, Thomas, minister, Dalry, Galloway  
 Walker, Wm., M.D., Pollokshaws  
 Walker, Wm., M.B., 3 Minerva st., Glasgow  
 Walker, Wm., probationer, Greenock  
 Walker, W. R., M.A., stu., 296 Bath st., Glasgow  
 Walker, W. Taylor, M.A., minister, Oban  
 Wallace, Alex., D.D., minister, Glasgow  
 Wallace, Alex., M.B., Baillieston  
 Wallace, David, M.B., Holme, New Galloway  
 Wallace, D., M.A., tch., Morgan Academy, Dundee  
 Wallace, E. J., M.D., S. Sea, Hants  
 Wallace, G. P., M.A., stu., St. John's manse, Hamilt  
 Wallace, James, M.D., Greenock  
 Wallace, J. S., B.Sc., M.B., Westfield ho., Sh'land  
 Wallace, J. W., M.B., 37 Apsley pl., S.S., Glasgo  
 Wallace, J., M.A., minister, Redcar  
 Wallace, Jardine, minister, Traquair  
 Wallace, Joseph B., M.B., Clapham, London, S.V  
 Wallace, Robert, M.B., Govanhill  
 Wallace, R. W., M.A., assistant min., Edinburg  
 Wallace, William, M.A., M.B., Shawlands  
 Wallace, W., M.D., Castleford, Yorks  
 Wallace, W., M.A., teacher, Bloomfield, Dalmui  
 Wallace, Wm., M.D., 2 Upp. Wimpole st., L'd'n, V  
 Wallace, William, M.A., advocate, Edinburgh  
 Wallace, W. T. M., M.B., 14 Sutherland ter., Dowanhill  
 Wallis, Patrick, M.D., Charleville  
 Walsh, John, M.D., Liverpool  
 Walton, T. U., B.Sc., C.E., Sydney, N.S.W.  
 Wands, James, M.B., Chester-le-Street, Durham  
 Warden, A. A., M.A., stu., 8 Windsor ter., Glas.  
 Wardrop, D., M.A., farmer, Bankend, Cumnock



- Wark, David, minister, Auchincrain  
Wark, J. R., M.A., asst. min., 254 Saracen st., Glas.  
Warner, Robert, M.A., writer, Glasgow  
Warnock, G. B.D. prob., Garrison farm, Wishaw  
Watanabe, Kaichi, B.Sc., C.E., Tokyo, Japan  
Waters, John H., M.D., London, S.W.  
Watson, A. C., B.D., minister, Renton  
Watson, Alex. L., M.A., teacher, Dundalk  
Watson, Andrew, M.B., 1 Gray street, Parkhead  
Watson, David, M.B., Upwell, Wisbech  
Watson, David, M.A., minister, Clough  
Watson, David, M.A., stu., 20 High st., Lanark  
Watson, H. A., M.A., min., 8 Victoria cr., Dowanhill  
Watson, H. J., B.Sc., shipbroker, 8 Victoria cres., Dowanhill  
Watson, J., M.A., tch., Watsonville cot., Motherw'1  
Watson, James, B.L., solicitor, Glasgow  
Watson, James, M.B., 118 Goldsmith street, Nottingham  
Watson, James R., M.A., student, Parkhead  
Watson, John, M.A., minister, South Yell  
Watson, Thomas, writer, Glasgow  
Watson, Thomas, M.D., Stockton-on-Tees  
Watson, Thos., M.A., stud., 4 Park av., Dundee  
Watson, William, M.A., minister, Dumbarton  
Watson, William, M.B., Manchester  
Watson, Wm., M.B., Nursery, Strathaven  
Watson, Wm. R. K., M.A., M.B., Birmingham  
Watt, A. T., M.A., B.L., l.-cl., Almada hill, Hamilt'n  
Watt, Alex., M.B., Stewarton  
Watt, Allan, M.B., Strathaven  
Watt, Andrew, M.A., tch., Ellengreen, Larkhall  
Watt, D. G., M.A., minister, London, N.  
Watt, Dugald C., M.B., Ferryhill, co. Durham  
Watt, Henry, M.A., student, Wrenneta, Govan  
Watt, Hugh G., B.D., minister, Dundee  
Watt, James R., M.B., 8 Wellington square, Ayr  
Watt, John, M.B., St. Catherine's, Kew gds., Lond.  
Watt, J. C., M.A., Fellow, Cambridge  
Watt, Thomas, M.A., M.B., Paisley  
Watt, Wellstood A., LL.B., solicitor, Hamilton  
Watt, Wm., minister, Norriston, Thornhill, Stirling  
Watt, William M., minister, Shotts  
Waugh, Thomas, M.D., Stewartstown  
Wauchope, Andw., M.B., 107 Greenhead st., Glas.  
Weatherhead, James, B.D., prob., Glasgow  
Webb, Henry P., M.B., Clapham, London, S.W.  
Webber, G.W., B.Sc., chem., Oswald hill, Partick  
Weid, A., minister, Thornliebank  
Weir, James B., M.D., Silverstone  
Weir, J. J., M.B., St. John's ter., Jar'w-on-Tyne  
Weir, John, minister, Kilmaurs  
Weir, John, M.A., principal, Mysore, India  
Weir, John, M.A., minister, Forfar  
Weir, John W., M.D., Tembuland, South Africa  
Weir, John, M.D., Carrickfergus  
Weir, John Craig, minister, Bothwell  
Weir, Robt., M.B., Dell road, Campbeltown  
Weir, Thos. D., B.Sc., C.E., Venezuela, S. America  
Weir, T. H., B.D., probationer, Kingairloch  
Weir, Wm., B.Sc., M.B., 4 Melrose st., Glasgow  
Wells, G. H., M.A., minister, Gorton  
Wells, J. H., minister, Bridge of Earn  
Welsh, Alexander, M.D., Whitworth  
Welsh, John, M.D., Weeley rectory, Colchester  
Welsh, Robert, M.A., minister, London, N.W.  
Wemyss, John, M.A., student, Helensburgh  
Wenley, Robt. M., M.A., D.Sc., stud., Dowanhill  
West, Duncan M., Hillside, Pollokshaws  
Whammond, W., M.D., Jarrow-on-Tyne  
Whish, Charles, M.B., Pollokshaws  
White, Adam, advocate, Glasgow  
White, Adam C., M.B., 13 Orr st., Glasgow  
White, James L., M.B., Coathill, Coatbridge  
White, J. W., M.B., 2 Regent Pk. sq., Strathbungo  
White, James W., M.D., Uddingston  
White, John, M.A., minister, Kelvinside  
White, John, M.A., min., 4 Hawarden, Partickhill  
White, M., M.A., minister, Blairgowrie  
White, M., B.D., minister, Skirling  
White, R., M.A., probationer, Maxwelltown  
White, Walter, minister, Pitroddie, Errol  
White, Wm., B.D., 4 Hawarden ter., Partick  
Whiteford, A., M.A., farmer, Neilston  
Whiteford, J., M.A., minister, Bonnybridge  
Whitehead, Alex., M.B., Paisley  
Whitehouse, John, M.B., 213 Berkeley st., Glas.  
Whitelaw, Robert, M.B., Calcutta  
Whitelaw, Wm., M.D., Kirkintilloch  
Whitson, James, M.D., Glasgow  
Whittaker, Jas. T., M.D., Tillicoultry  
Whyte, A., M.A., minister, Clackmannan  
Whyte, Alex., B.Sc., B.D., minister, Dalmuir  
Whyte, D., M.A., minister, Baun, Downpatrick  
Whyte, H. L., sec., Workington  
Whyte, James, M.A., stu., 28 M'Lean st., Glasgow  
Whyte, J. B., minister, Hartlepool  
Whyte, Martin, M.B., Crosshill ho., Rutherglen  
Whyte, R., M.A., D.D., minister, Edinburgh  
Whyte, William, B.Sc., H.M. Sub. I.S., Aberdeen  
Wight, G., M.A., minister, Wamphray  
Wight, William T., B.L., writer, Glasgow  
Wildridge, Charles M., M.B., Bo'ness  
Wilkie, J. M., Liscard, Cheshire  
Williams, Alfred, M.D., Salford  
Williams, B. T., M.A., Q.C., Narberth, Pemb'shire  
Williams, E., B.D., minister, Newport, Mon.  
Williams, Ed., M.B., 1 Spott rd., Cardiff  
Williams, George, M.D., Dingle, co. Derry  
Williams, Leonard, M.B., Sidmouth, Devon  
Williams, Walter E., M.B., Fourcrosses, Chwilog  
Williamson, D., minister, Forgandenny  
Williamson, James, minister, Edinburgh  
Williamson, James F., property agent, Glasgow  
Williamson, R., D.D., min., Hillside, Forres  
Williamson, R.P.G., M.A., te., Mannings'm, Bra'fd  
Williamson, Walter, writer, Beith  
Williamson, William J., M.A., Derry  
Williamson, W. M. M.A., st., Kirkmuirhill, Lesmah.  
Willis, George, M.D., Monmouth  
Willis, William R., M.B., Builthelston  
Willison, John, writer, Glasgow  
Wills, James, M.D., London, S.E.  
Wilson, A. B.D., minister, Bridge of Weir  
Wilson, Adam J., M.A., teacher, Sydney, N.S.W.  
Wilson, Andrew, M.B., 1 Lendel ter., Glasgow  
Wilson, Alex. D., M.B., 3 Gt. Kelvin ter., Hillhead  
Wilson, A. S., M.A., B.Sc., min., N. Queensferry  
Wilson, Allan, M.D., Alnwick  
Wilson, Charles, M.D., 2 Market square, Crewe  
Wilson, Charles, M.B., U.P. manse, Drymen  
Wilson, D., minister, Borrowstownness  
Wilson, D., M.A., Carbeth, Killearn  
Wilson, David, M.A., student, Glasgow  
Wilson, David, M.B., Birtley  
Wilson, David, M.D., Huddersfield  
Wilson, George, M.B., Stane, Shotts  
Wilson, Henry, M.A., student, Glasgow

- Wilson, Henry B., M.B., Glasgow  
 Wilson, Hugh, M.D., Ochiltree  
 Wilson, Hugh C., M.A., minister, Eastbourne  
 Wilson, James, minister, Dundee  
 Wilson, James L., M.B., Duns, Berwickshire  
 Wilson, J., M.A., minister, Broughty-Ferry  
 Wilson, James, M.A., student, Dennistoun  
 Wilson, James, M.A., M.B., Govan  
 Wilson, James, M.A., student, Port-Glasgow  
 Wilson, Jas. A., M.B., Langley Moor, Durham  
 Wilson, James A., M.B., 38 Monteith row, Glasgow  
 Wilson, James A., M.D., Springburn  
 Wilson, James M., M.D., Doncaster  
 Wilson, James H., teacher, Berriedale, Caithness  
 Wilson, J. P., B.D., prob., manse, St. Quivox, Ayr  
 Wilson, James P., M.B., Infirmary, Dumfries  
 Wilson, James S., M.B., Cumnock  
 Wilson, John, minister, Aberdeen  
 Wilson, J., M.A., minister, Abernyte  
 Wilson, J., M.A., minister, Methven  
 Wilson, John, M.D., 210 Saracen street, Glasgow  
 Wilson, John, M.D., Manchester  
 Wilson, John, M.B., 38 Monteith row, Glasgow  
 Wilson, John, M.A., teacher, Glasgow  
 Wilson, John C., M.B., Blantyre  
 Wilson, J. G., M.D., Ashton-under-Lyne  
 Wilson, James S., M.D., Wallsall  
 Wilson, John, M.A., teacher, Tillicoultry  
 Wilson, John, minister, Bellshill  
 Wilson, John M., M.A., teacher, Portsoy  
 Wilson, John N., M.B., Jarrow-on-Tyne  
 Wilson, John R., M.A., minister, Hawick  
 Wilson, J., M.A., master, Leatherhead, Surrey  
 Wilson, Matthew, M.A., stu., Broomhouse, Glas.  
 Wilson, Matthew, M.A., Johnstone  
 Wilson, Matthew G., M.A., iron merchant, Glas.  
 Wilson, Peter, M.A., minister, Leith  
 Wilson, R., M.A., minister, North Ronaldshay  
 Wilson, Robert, M.D., 38 Monteith row, Glasgow  
 Wilson, Robt., M.B., 21 Derby street, Glasgow  
 Wilson, R. A., M.D., Hornby, Lancaster  
 Wilson, Stewart, M.D., Omagh  
 Wilson, T., M.A., minister, Lesmahagow  
 Wilson, Thomas H., M.A., teacher, Strathaven  
 Wilson, Thos. L., minister, Longside, Aberdeen  
 Wilson, William, M.A., licentiate, Northmavine  
 Wilson, William, M.D., Irvine  
 Wilson, W. B., preacher, Bellshill  
 Wilson, William A., M.D., Greenock  
 Wilson, William W., M.A., minister, Auchnagatt  
 Wilson, Wm. M., M.B., Mavisbank, Airdrie  
 Wilson, William M'K., M.B., Glasgow  
 Wilson, W.R., B.Sc., elect., 5 Meadowb'k cr., P'rtick  
 Wingate, Donald, M.B., Haswell, Durham  
 Wingate, Walter, M.A., teacher, Tollcross  
 Wingate, Wm., minister, Bayswater, London  
 Winn, James M., M.D., London, N.W.  
 Winning, W., M.A., Rutherglen  
 Wishart, R. S., M.A., teacher, Chryston  
 Wolfe, John Reissberg, M.D., Glasgow  
 Wood, Jas. B., B.D., prob., 16 River st., Brechin  
 Wood, Percival J., M.A., teacher, Burton Stather  
 Woodburn, A., B.Sc., C.E., Allangrove, Prestwick  
 Woodburn, James C., M.D., Glasgow  
 Woodgates, Samuel H., M.D., Exeter  
 Woods, Thomas, M.D., Parsonstown  
 Woodside, David, B.D., minister, Glasgow  
 Wortabet, James R., M.B., Beyrout, Syria  
 Wotherspoon, A. S., M.B., Schoolho., Stonehouse  
 Wotherspoon, John, M.B., Seattle, Wash., U.S.A.  
 Wotherspoon, W. L., minister, Kilspindie  
 Wray, William, M.A., minister, Cookstown  
 Wright, Alexander, M.A., minister, Musselburgh  
 Wright, D., M.A., stu., 43 Houldsworth st., Glas.  
 Wright, D., M.A., minister, Bellahouston  
 Wright, Hugh, writer, Edinburgh  
 Wright, John, M.B., Eskbank, Dalkeith  
 Wright, John C., M.B., Glasgow  
 Wright, John S., M.B., 94 Henderson st., Glasgow  
 Wright, Peter, minister, Forfar  
 Wright, Thos., M.A., stu., Houston sq., Johnstone  
 Wright, William, minister, Lochee  
 Wyer, Otho F., M.D., Leamington  
 Wylie, A. Howie, M.D., Oldham  
 Wylie, A., M.A., min., 1 Mardale cr., Edinburgh  
 Wylie, Alexander, W.S., Edinburgh  
 Wylie, Alex., M.B., Croxall Grange, Lichfield  
 Wylie, And., M.B., Garnocklea, Hamilton  
 Wylie, Charles F., M.B., 7 Elgin terrace, Partick  
 Wylie, James, M.B., 64 Kelvingrove st., Glasgow  
 Wylie, James A., M.A., student, Hamilton  
 Wylie, John, M.B., The Crescent, Dalmuir  
 Wylie, John, M.B., Stewarton, Ayrshire  
 Wylie, Rich. J., M.B., 1 The College, Glasgow  
 Wylie, W., M.A., teacher, Rutherglen  
 Wylie, Wm.S., B.L., writer, 160 W. George st., Glas.  
 Wyllie, John, M.D., 262 Beverley road, Hull  
 Wyllie, William, M.D., Kirby, Lonsdale  
 Wyllie, William, M.A., minister, Eyemouth  
 Wyper, J. N., B.L., law-cl., 40 Claremont st., Glas.  
 Yair, David W., minister, Firth, Orkney  
 Yair, John M., M.B., Bournemouth  
 Yarrow, Henry, M.B., Glasgow  
 Yeaman, George, M.D., Glasgow  
 York, William, writer, Glasgow  
 Young, Alexander, minister, Glasgow  
 Young, A.A., M.A., M.B., 11 Gt. Western ter., Glas.  
 Young, Archibald, M.A., minister, Aberdeen  
 Young, Daniel L., M.A., clerk, Glasgow  
 Young, David, M.D., Glasgow  
 Young, David, D.D., minister, Bridge-of-Allan  
 Young, David, M.B., Partick  
 Young, David, M.A., stu., F.C. Hall, Glasgow  
 Young, David, M.A., stu., Flemington, Strathaven  
 Young, E. D., M.A., W.S., Edinburgh  
 Young, F.S., M.A., stu., 11 Gt. Western ter., Glas.  
 Young, George B., B.L., solicitor, Falkirk  
 Young, Homer, M.A., student, Partick  
 Young, Hugh C. T., M.B., Paisley  
 Young, J., M.A., tch., South Schoolhouse, Biggar  
 Young, James, M.D., Redbourn, Herts  
 Young, James, minister, Tighnabruaich  
 Young, J., M.A., minister, Paisley  
 Young, Jas. J. T., M.B., F.C. manse, Tighnabruaich  
 Young, James W., writer, Kilsyth  
 Young, J., M.D., professor, Glasgow  
 Young, J., M.B., Earlston  
 Young, John, M.D., Sheffield  
 Young, John, minister, Greenock  
 Young, J., M.A., B.Sc., secy. to Tech. Coll., Glas.  
 Young, John, M.B., 3 Whitehill gardens, Glasgow  
 Young, John, M.A., stu., 10 High street, Bathgate  
 Young, John C., M.B., Aden, Arabia  
 Young, J. M., M.B., 149 Beverley rd., Hull  
 Young, R. Arthur, LL.B., advocate, Glasgow  
 Young, R. B., M.A., M.B., Dowanhill  
 Young, Robert H., M.B., Glasgow

Young, Robert, M.A., teacher, Paisley	Young, W. R., M.A., teacher, Newhouse, Stirling
Young, Robert R., M.B., 2 Melbourne st., Leicester	Younger, Arch. S., B.Sc., eng., 15 Arlington st., Glas.
Young, R. T., M.A., student, Bridge-of-Allan	Younger, Henry J., M.A., M.B., Greenock
Young, Thomas, M.D., Manchester	Younger, R. T., LL.B., advocate, Edinburgh
Young, Thomas C., LL.B., writer, Glasgow	Yuill, John, M.B., Tannochside, Uddingston
Young, William, M.A., minister, Baldernock	Yuille, James, minister, Peterhead
Young, Wm., M.B., 32 Lilybank gds., Hillhead	
Young, William G., M.D., Glasgow	Zinkeisen, William, B.Sc., chemist, Glasgow
Young, William, minister, Barrhead	Zuill, John, M.A., M.B., Buchlyvie
Young, William M., M.A., M.B., Leeds	Zuill, Robert, M.B., Buchlyvie

## APPENDIX II.

### 1. ORDINANCE No. 17, MADE BY THE COMMISSIONERS UNDER THE UNIVERSITIES (SCOTLAND) ACT, 1889.

#### REGULATIONS AS TO ASSISTANTS AND LECTURERS.

*At Edinburgh, the twenty-fourth day of February, Eighteen hundred and ninety-two years.*

WHEREAS, etc.,

#### ASSISTANTS.

I. The University Court of each University shall from time to time, after consultation with the Senatus, determine the number and grade of the Assistants, if any, to be assigned to each Professor.

II. The University Court shall also fix from time to time the remuneration of the several Assistants, and shall have power to apply to such remuneration such part of the Funds at its disposal as it may think proper.

III. The duties of each Assistant shall be defined from time to time by the Professor, with the approval of the Senatus.

IV. Each Assistant shall be appointed by the University Court on the recommendation of the Professor whom he is to assist. The appointment shall be for one year, but shall be renewable from time to time for the like period on the like recommendation.

V. An Assistant shall not be dismissed during the period of his appointment, except by the University Court.

VI. All Assistants appointed as hereinbefore provided shall be styled University Assistants or Demonstrators as the University Court may determine. They shall be recognized as Officers of the University, and shall have such use of the Library and such other privileges as the University Court may from time to time determine.

VII. Nothing in this Ordinance shall affect the right of each Professor to employ at his own expense such private Assistants as he may think necessary; but such private Assistants shall not take part in the public work of the class without the permission of the University Court; and the foregoing provisions shall not apply to such private Assistants, nor to others not directly assisting the Professor in the work of the class.

#### LECTURERS.

VIII. It shall be in the power of the University Court of each University, after consultation with the Senatus, to appoint Lecturers in any subject not already taught within the University.

IX. With respect to subjects already taught within the University, it shall be in the power of each University Court, after consultation with the Senatus, to appoint Lecturers in the cases following :—

- (1) When, with a view to preparing candidates for graduation in Honours or otherwise, it is desired to provide instruction in special branches of the said subjects not usually or fully covered by the Professors' Lectures.
- (2) When, from the number of the students, or any other cause, it appears to be necessary that provision should be made for increasing the teaching power in any of the said subjects within the University.

X. The teaching of Lecturers appointed under this Ordinance shall (unless otherwise determined by the University Court) qualify for graduation. Lecturers shall be remunerated in such manner as the University Court may from time to time determine; and it shall be competent to appoint them on the footing that their remuneration shall depend in whole or in part on the amount of the fees drawn from their classes, although the said fees may be at the disposal of the University Court as part of a general fee-fund or otherwise.

XI. Lecturers shall be appointed under this Ordinance for a period not exceeding five years, and shall hold office during good behaviour for the period of their appointment, and the University Court shall be the sole and final judges of any question of *culpa*.

It shall be in the power of the University Court to renew such appointments.

XII. Lecturers appointed under this Ordinance shall be recognized as officers of the University, and shall have such use of the Library and other privileges as the University Court may from time to time determine, but they shall not be members of the Senatus. They shall be bound to conform to all regulations with respect to their teaching arrangements which may be made from time to time by the Senatus after consultation with the Board of Studies or the Faculty concerned, and any questions between them and the Professors shall be determined by the Senatus, with appeal to the University Court: declaring always that, subject to the regulations aforesaid, all laboratories, rooms for practical instruction, apparatus, and material pertaining to any particular Chair shall be under the exclusive control of the Professor.

XIII. Assistants appointed under this Ordinance shall be eligible as Lecturers and *vice versa*; and both offices may be held at the same time by the same person.

XIV. The provisions of the Ordinances Nos. 6, 22, and 23 of the Commissioners under the Universities (Scotland) Act, 1858, with respect to Assistants, their appointment, duties, and remuneration, are hereby repealed, provided that such repeal shall not take effect as to any existing Assistants before the commencement of the first academical year after the approval of this Ordinance by Her Majesty in Council.

*In witness whereof these presents are sealed with the seal of the Commission.*

A. S. KINNEAR, *Chairman.*



2. *LETTER FROM UNIVERSITIES COMMISSION*  
*in regard to construction of Section IX. of Ordinance*  
*No. 14, Glasgow No. 1—Regulations for Degrees in*  
*Medicine.*

SCOTTISH UNIVERSITIES COMMISSION,  
 18 DUKE STREET, EDINBURGH, 9th June, 1893.

ORDINANCE NO. 14 (GLASGOW NO. 1—REGULATIONS FOR DEGREES IN  
 MEDICINE).

SIR,—A question has been raised as to the construction of the following words in Section IX. of Ordinance No. 14 (Glasgow No. 1—Regulations for Degrees in Medicine):—"It shall be the duty of the Professors"  
 ". . . . so to conduct the courses that students may receive in-  
 "struction sufficient for graduation in any one of the said subjects by  
 "attendance on one course of five or six months, or of two and a half or  
 "three months, as the case may be."

It is not intended to require of the Professor a complete course of instruction by lectures during each session, or to limit the examinations for degrees to subjects which shall be discussed in the lectures of the Professor at the time that the student attended the course. The word "instruction," as used in this Section, is to be held to include lectures upon such parts of the subject as the Professor may be able to overtake, supplemented by directions as to the use of text-books or other sources of information for the remainder of the subject: and it is also intended that the examinations may be taken over the whole field, even when the Professor has not been able to include it all in his course of lectures.

My Commissioners are of opinion that no supplementary Ordinance explanatory of the meaning of this Section of the Ordinance is necessary.  
 —I am, Sir, your obedient Servant,

(Signed) ROBT. FITZROY BELL, *Secretary.*

The Secretary, University Court,  
 University of Glasgow.

---

3. *JOINT BOARD OF EXAMINERS OF THE*  
*SCOTTISH UNIVERSITIES.*

---

SUBJECTS OF THE PRELIMINARY EXAMINATIONS; AND EXAMINATIONS  
 ACCEPTED AS EQUIVALENTS.

The Joint Board have directed that the Preliminary Examination for Degrees in Arts, Science, and Medicine, for October, 1893, shall be as follows:—

*Preliminary Examination in Arts and Science.*

1. English will include Grammar, Composition, Literature, History, and Geography.

(a.) *Grammar* will include Analysis, Parsing, Derivation, and Correction of Sentences.

(b.) *Composition* will include an Essay and Paraphrasing.

(c.) *Literature* will include a general knowledge of the life and works of the greater writers, and a more special knowledge of the works of two or three of these writers; and for next October the special subjects will be Shakespeare's "Macbeth" and "As You Like It," and Scott's "Antiquary" and "Old Mortality." [For April and October, 1894, the special subjects will be Shakespeare's "Merchant of Venice," and Scott's "Kenilworth."]

(d.) *Geography* will include a general knowledge of the Geography of the World, and a special knowledge of the Geography of the British Empire.

(e.) *History* will include a knowledge of one of the three following periods to be taken in successive years in the order herein mentioned, namely:—The Outlines of the History of both England and Scotland (a) from the Roman occupation to the Accession of James VI. (for October, 1893); (b) from the Accession of James VI. to the Union of the Kingdoms (for April and October, 1894); (c) from the Union of the Kingdoms to the Reform Bill of 1832.

2. The *Latin* Examination on the Higher Standard will be—Translation, Prose Composition, and Grammar and Sentences.

3. The *Greek* Examination on the Higher Standard will be—Translation, Sentences, and Grammar.

The passages for Translation both from Greek and Latin will include Prose and Verse.

4. The *Latin* Examination on the Lower Standard will be—Translation and Parsing, Prose Composition, and Grammar and Sentences.

5. The *Greek* Examination on the Lower Standard will be—Translation and Parsing, Sentences, and Grammar.

6. The paper in Mathematics on the Lower Standard will include questions on Arithmetic, Algebra, and Geometry.

Each question in Geometry will consist of two parts, of which one will be an easy deduction or illustrative exercise on the proposition set as bookwork.

7. The paper in Mathematics on the Higher Standard will include questions on Geometry, Algebra, and Trigonometry. The proportion of the paper devoted to these subjects respectively shall be, as nearly as possible, two-fifths to Geometry, two-fifths to Algebra, and one-fifth to Trigonometry.

The questions on Geometry will be constructed on the principle already laid down as to the geometrical part of the paper on the Lower Standard.

Candidates who having taken the Examination on the Higher Standard in any subject have obtained a sufficient percentage of marks, shall be held to have passed the Examination on the Lower Standard.

8. The paper on Dynamics will include elementary statics and kinetics of solids, liquids, and gases.

The questions will be directed to test the candidate's knowledge of the fundamental principles of the subjects, and will not involve algebraical or geometrical difficulties. As far as possible each question will consist of two parts, one of which will be a numerical, or other simple illustrative example of the principle with which the other part of the question deals.

9. For the Examination in French and German—

(a.) Two papers will be set, both in French and German; the first paper to contain a passage for translation from English into French or German, with some short sentences of an idiomatic character; the second paper will contain a set of grammatical questions, two passages for translation into English (one in Verse, one in Prose), and a selection of Literary, Philological, or Historical questions, from which the candidate will be allowed to choose *one only*.

(b.) An hour and a half will be allowed for the first paper, and two hours for the second.

*Preliminary Examination for Degrees in Medicine.*

For the Medical Preliminary Examination in October 1893, the papers set in Latin, Greek, and Mathematics, shall be the same as those set on the Lower Standard in these subjects in the Arts Preliminary Examination.

The papers set in English, French, and German shall be of a Lower Standard than those set in these subjects in the Preliminary Examination in Arts.

It shall be in the option of any candidate for the Medical Preliminary to take the papers set on the Higher Standard for the Arts Preliminary in any of the subjects.

Excellence in one or more subjects will be permitted to compensate in some measure for deficiency in any of the other subjects. Such excellence may be shown either by attaining a high percentage of marks on the Lower Standard, or by passing on the Higher Standard.

Candidates who, having taken English, Latin, Greek, Mathematics, or a modern language, on the Higher Standard, as prescribed by the Arts Ordinance for the Arts Preliminary, have obtained a satisfactory percentage of marks, shall be held to have passed the Medical Preliminary in these subjects.

With regard to the equivalents to be recognised in the Preliminary Examinations, the Board have come to the following resolutions:—

1. The Board are prepared to accept such Certificates as may have been obtained previous to October, 1892, as equivalent to the Preliminary Examination in Arts, Science, or Medicine, for October, 1893, provided that such Certificates would have been accepted for this purpose under the Regulations in force in October, 1892, at the University at which candidates holding such Certificates propose to enter.

2. The Board are also prepared to accept the Leaving Certificates of the Scotch Education Department, whether obtained this year or at an earlier date, as equivalent to the Preliminary Examination in Arts, Science, or Medicine, for October, 1893.

For the Preliminary Examination in Arts and Science, in October, 1893, the Higher and Honours Grade Leaving Certificates in Latin, Greek, and Mathematics, will be accepted as equivalent to the Higher Standard in each of these subjects, as prescribed by the Arts Ordinance; and the Lower Grade Certificate to the Lower Standard; the Higher and Honours Grade Leaving Certificate in English and Modern Languages will be accepted as equivalent to the standard prescribed for each of these subjects by the Arts Ordinance.

For the Preliminary Examination in Medicine, in October, 1893, the Leaving Certificate in any Grade will be accepted in each subject as equivalent to the Preliminary Examination.

3. For the Preliminary Examinations in October, 1893, and thereafter, a Degree in Arts or in Science, not being an Honorary Degree in any of the Universities of the United Kingdom, shall exempt from these Examinations in Arts or in Science, as the case may be. The corresponding regulation in reference to Medicine is given in the Medical Ordinances in these terms:—"A Degree in Arts or in Science (not being a Degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University, specially recognised for the purpose by the University Court, shall exempt from the Preliminary Examination."

4. The question of the acceptance, after October, 1893, of the Leaving Certificates of the Scotch Education Department, and of the L.L.A. Certificate of St. Andrews, being reserved, no Examinations conducted in Scotland shall be accepted as equivalent to the Preliminary Examinations in Arts, Science, and Medicine.

5. The Higher Certificate of the Oxford and Cambridge Schools Examinations shall be accepted as equivalent to the Higher Standard in each subject in the Preliminary Examinations in Arts and Science, and their Lower Certificate as equivalent to the Lower Standard.

6. For the Preliminary Examination in Arts and Science, the Deans of the Faculties concerned are empowered to accept, *pro tanto*, such examinations qualifying for entrance to recognised Colonial and Foreign Universities as they consider to be sufficient, but on condition that they afterwards report each case to their respective Senates, and to the Joint Board as soon as possible.

7. With special reference to the Preliminary Examination in Medicine in October, 1893, and thereafter, the Board resolved that the following Examinations shall be accepted as equivalents, provided always that the Regulations of the General Medical Council regarding the registration of students of Medicine be complied with:—

OXFORD.—Responsions; Moderations.

CAMBRIDGE.—Previous Examination; Oxford and Cambridge Schools Examinations.

LONDON.—Matriculation Examination of the University of London.

DUBLIN, TRINITY COLLEGE.—Public Entrance Examination.



ROYAL UNIVERSITY OF IRELAND.—Entrance Examination.

VICTORIA UNIVERSITY.—The Preliminary Examination; the Entrance Examination in Arts.

8. The Examinations of Indian, Colonial, and Foreign Universities and Colleges accepted by the General Medical Council will also be accepted, viz. :—

UNIVERSITY OF (1) CALCUTTA, (2) MADRAS, and (3) BOMBAY—Entrance Examination, Certificate to include Latin.

UNIVERSITIES OF (1) M'GILL COLLEGE, MONTREAL; (2) BISHOP'S COLLEGE, MONTREAL; (3) TORONTO; (4) TRINITY COLLEGE, TORONTO; (5) QUEEN'S COLLEGE, KINGSTON; (6) VICTORIA COLLEGE, UPPER CANADA; (7) HALIFAX, NOVA SCOTIA; and (8) FREDERICTON, NEW BRUNSWICK, Matriculation Examination.

UNIVERSITY OF MOUNT ALLISON COLLEGE, NEW BRUNSWICK.—Examination for a Degree in Arts.

UNIVERSITY OF KING'S COLLEGE, NOVA SCOTIA.—Matriculation Examination; Responsions.

DALHOUSIE COLLEGE AND UNIVERSITY, HALIFAX.—Matriculation and Sessional Examinations.

WESTERN UNIVERSITY OF ONTARIO.—Entrance Examination in Medicine, Certificate to include all the subjects required for Registration.

UNIVERSITY OF MANITOBA.—Previous Examination.

COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.—Preliminary Examinations, Certificate to include all the subjects required for Registration.

PROVINCIAL MEDICAL BOARD OF NOVA SCOTIA.—Matriculation Examination.

UNIVERSITY OF MELBOURNE.—Matriculation Examination.

UNIVERSITY OF SYDNEY.—Matriculation Examination.

UNIVERSITY OF THE CAPE OF GOOD HOPE.—Matriculation Examination; Examination for a Degree in Arts.

UNIVERSITY OF ADELAIDE.—Matriculation Examination; or its substitute, the Senior or Junior Public Examination, Certificate to include all the subjects required for Registration.

CODRINGTON COLLEGE (BARBADOS).—English Certificate for Students of two years' standing, and Latin Certificate, or "Testamur."

TASMANIAN COUNCIL OF EDUCATION.—Examination for the Degree of Associate of Arts, Certificate to include Latin and Mathematics.

UNIVERSITY OF NEW ZEALAND.—Entrance Examination.

UNIVERSITY OF OTAGO.—Preliminary Examination.

CHRIST'S COLLEGE, CANTERBURY, NEW ZEALAND.—Voluntary Examinations, Certificate to include all the subjects required for Registration.

CEYLON MEDICAL COLLEGE.—Preliminary Examination (Primary Class).

GERMAN AND OTHER CONTINENTAL COUNTRIES.—Gymnasial Abiturienten-Examen, and Corresponding Entrance Examinations to the Universities.



## APPENDIX III.

## LIST OF EXTRA-ACADEMICAL LECTURERS.

List of Extra-Academical Lecturers recognised by the University Court of the University of Glasgow, for the purpose of Graduation in Medicine, in terms of Ordinances of the Universities Commissioners (1858 and 1889).

2 Oct., 1867,	Stevenson M'Adam, Ph.D., Edin.,	<i>Chemistry.</i>
10 Nov., 1875,	James Dunlop, M.D., Glasgow,	<i>Surgery.</i>
19 April, 1876,	Dr. James Gow Black, Otago,	<i>Chemistry.</i>
"	Miller Coughtrey, M.B., Otago,	<i>Anatomy.</i>
7 Nov., 1876,	John Dougall, M.D., Glasgow,	<i>Materia Medica.</i>
"	James Stirton, M.D., Glasgow,	<i>Midwifery.</i>
12 Sept., 1877,	A. M. Buchanan, M.D., Glasgow,	<i>Anatomy.</i>
21 Dec., 1880,	William Craig, M.D., Edinburgh,	<i>Materia Medica and Therapeutics.</i>
"	J. O. Affleck, M.D., Edinburgh,	<i>Practice of Medicine.</i>
"	John Barlow, M.D., Glasgow,	<i>Physiology.</i>
"	Samson Gemmell, M.D., Glasgow,	<i>Practice of Medicine.</i>
24 May, 1881,	Byrom Bramwell, M.D., Edin.,	<i>Practice of Medicine.</i>
26 Jan., 1882,	James M. Milne, Ph.D., Glasgow,	<i>Chemistry.</i>
"	William L. Reid, M.D., Glasgow,	<i>Midwifery.</i>
13 Feb., 1883,	John Glaister, M.D., Glasgow,	<i>Forensic Medicine.</i>
27 May, 1884,	Johnson Symington, M.D., Edinburgh,	<i>Anatomy.</i>
22 July, 1885,	James J. Dobbie, M.A., D.Sc., University Coll., Bangor,	<i>Chemistry.</i>
"	Reginald W. Phillips, B.A., B.Sc., University Coll., Bangor,	<i>Botany.</i>
28 April, 1886,	A. Smithells, B.Sc., Yorkshire College, Leeds,	<i>Chemistry.</i>
4 Oct., 1887,	Claud M. Thompson, University College, Cardiff,	<i>Chemistry.</i>
"	W. Newton Parker, University College, Cardiff,	<i>Zoology.</i>
20 Mar., 1889,	Alexander Napier, M.D., Glas.,	<i>Materia Medica.</i>
27 Feb., 1890,	James Robertson Watson, M.A., Glasgow,	<i>Chemistry and Practical Chemistry.</i>
"	John Lindsay Steven, M.D., Glas.,	<i>Pathology.</i>
"	Alex. Robertson, M.D., Glasgow,	<i>Practice of Medicine.</i>

27 Feb., 1890,	Philip J. White, M.B., University College, Bangor,	<i>Zoology.</i>
26 Feb., 1891,	Thomas King, Glasgow,	<i>Botany.</i>
30 April, 1891,	E. E. Prince, Glasgow,	<i>Zoology.</i>
5 Jan., 1892,	B. C. A. Windle, M.D., Queen's Coll., Birmingham,	<i>Anatomy.</i>
„	F. J. Allen, M.A., M.B., C.M., Mason Science Coll., Birmingham,	<i>Physiology.</i>
„	W. A. Tilden, D.Sc., Mason Science Coll., Birmingham,	<i>Chemistry.</i>
„	T. W. Bridge, M.A., Mason Science Coll., Birmingham,	<i>Zoology.</i>
„	W. Hillhouse, M.A., Mason Science Coll., Birmingham,	<i>Botany.</i>
28 April, 1892,	James Swanson, M.A., M.B., C.M., St. Mungo's Coll., Glasgow,	<i>Botany.</i>
23 Feb., 1893,	James Blyth, M.A., Technical College, Glasgow,	<i>Physics.</i>
„	J. W. Carr, M.A., University College, Nottingham,	<i>Botany.</i>
27 April, 1893,	G. G. Henderson, D.Sc., Technical College, Glasgow,	<i>Chemistry.</i>
„	A. Gray, B.A., University College, Bangor,	<i>Physics.</i>
„	J. H. Poynting, D.Sc., Mason College, Birmingham,	<i>Physics.</i>

And the ordinary Physicians and Surgeons of any General Hospital in the United Kingdom which accommodates not fewer than eighty patients, and possesses a distinct staff of Physicians and Surgeons. (See Ordinance No. 14, Section VII. (5).)

## APPENDIX IV.

*GLASGOW UNIVERSITY EXTENSION BOARD.*

The University has organized a scheme for the extension of University teaching, by means of local lectures and classes, upon the lines which have proved so successful in the case of the Universities of Oxford and Cambridge. Its purpose is to give, as far as possible, the advantages of University education to those whose circumstances do not permit them to attend the University. It is especially intended to meet the wants of (1) ladies, (2) clerks and other persons engaged in business, and (3) artizans of all classes. The Scheme is under the management of the following Board:—Sir James King, Bart., LL.D., *Chairman*; \*Robert Gourlay, Manager, Bank of Scotland, St. Vincent Place, Glasgow, *Hon. Treasurer*; \*R. M. Wenley, M.A., D.Sc., 8 St. Alban's Terrace, Glasgow, W., *Hon. Sec.*; Professor M'Call Anderson, M.D.; Professor Barr, D.Sc.; \*William Bathgate, M.A., H.M.I.S.; Walter G. Blackie, LL.D.; Professor Bower, D.Sc., F.R.S.; \*Professor Bradley, M.A.; \*J. Cleland Burns; Professor Buchanan, M.D., LL.D.; The Very Rev. Principal Caird, D.D.; \*Professor E. Caird, LL.D., D.C.L.; James Campbell of Tullichewan; Professor Charteris, M.D.; William Clark; Stewart Clark of Kilnside; Professor Cleland, M.D., LL.D.; Mrs. Archibald Coats; Thomas Glen Coats; \*Archibald Craig, LL.B.; George Crichton; Alexander Crum of Thornliebank; Sir John Neilson Cuthbertson; Peter Denny, LL.D.; The Rev. Professor Dickson, D.D.; The Rev. Principal Douglas, D.D.; \*Henry Dyer, M.A., D.Sc., C.E.; Professor Ferguson, LL.D.; Charles Gairdner, LL.D.; Professor Gairdner, M.D., LL.D.; James Grahame; \*The Rev. David Hunter, D.D.; \*John Hutchison, LL.D.; \*Professor Jack, LL.D.; William Jolly, H.M.I.S.; Professor Lord Kelvin, LL.D., D.C.L.; William Ker; J. H. Kerr; John Kerr, LL.D., H.M.I.S.; Professor Leishman, M.D.; \*Mrs. Lindsay; Sir James D. Marwick, LL.D.; \*Colonel Sir Donald Matheson, K.C.B.; T. A. Mathieson; Professor Moir; Donald Morrison, LL.D.; Professor Murray, B.A.; James Macdonald, LL.D.; \*The Rev. A. R. M'Ewen, D.D.; \*Professor M'Kendrick, M.D., F.R.S.; Miss Grace Paterson; R. W. Cochran-Patrick of Woodside, LL.D.; \*Professor Ramsay, LL.D.; The Rev. Professor Robertson, D.D.; Thomas Russell of Ascog; Professor Simpson, M.D.; \*William Smart, LL.D.; J. Parker Smith of Jordanhill, M.P.; Sheriff Spens, LL.D.; Alexander Stephen; \*The Rev. Professor Stewart, D.D.; The Rev. Professor Story, D.D.; Professor Moody Stuart; Professor Veitch, LL.D.; \*The Rev. John Watt, D.D.; \*Mrs. R. M. Wenley; \*Professor Young, M.D.

Those marked \* constitute the Executive.

A Prospectus giving an account of the movement and of the mode of working it, together with a list of lecturers and subjects, may be had (post free) on application to Mr. Wenley, the Secretary, 8 St. Alban's Terrace, Glasgow, W., to whom communications by local committees and all persons interested should be addressed.

## APPENDIX V.

## UNIVERSITY SOCIETIES.

## GLASGOW UNIVERSITY UNION.

At a Meeting of Students and Graduates, held on the 14th day of February, 1885, it was unanimously resolved to establish a Glasgow University Union. A sum sufficient to erect a building for this purpose having been offered to the Senate by JOHN M'INTYRE, Esq., M.D., Odiham, Hampshire, and the Senate having accepted this gift, Articles of Constitution were drawn up by a Committee of Students and Graduates, and received the approval of the Senate, the Donor, and of the Students' Representative Council. A further sum of £12,000 was raised by the Union Bazaar of 1889, and devoted to furnishing and endowing the building. The Union is governed by a Board of Directors, appointed by the Committee of Management which is elected annually at the General Meeting of the Members.

*Objects.*—The objects of the Union are to provide Students with the comforts and conveniences of a Social Club, to hold Debates, and to form a centre to which the various University Societies may be affiliated. The Buildings comprise a Debating Hall, a Dining Hall, Reading and News Rooms, Billiard and Smoking Rooms, Committee Rooms, Lavatories, etc.

*Membership.*—The Members of the Union are Ordinary Members or Life Members.

Ordinary membership of the Union is open to all matriculated Students and all former Students of the University, and all Medical Students of Glasgow whose names are enrolled in the Extra-mural Album of the University, on payment of an Annual Subscription of Five Shillings.

All matriculated Students and former Students of the University may, on payment of the sum of Three Pounds Three Shillings, become Life Members of the Union.

*President*—Joshua Ferguson, M.A.

*Vice-President*—Joseph Coats, M.D.

*Hon. Secretary*—John H. Pagan, M.A.

*Hon. Treasurer*—M. P. Fraser, LL.B.

*Assistant Secretary and Treasurer*—Charles H. Coats.

*Librarian*—John Brownlee, M.A.

*Board of Directors*—The Office-bearers, and C. O. Hawthorne, M.B., C.M.; Jas. J. MacLehose, M.A.; R. S. Horne; Fred. A. Macquisten, B.L.

*Former Presidents of the Union.*

1890.	John H. Harley, M.A.	1891-92.	John Paterson, M.A., M.B.
1890-91.	Robert Bell, M.B.	1892-93.	F. A. Macquisten, B.L.

## THEOLOGICAL SOCIETY.

The object of the Society is to discuss, by means of essays and debates, theological and ecclesiastical questions. The membership of the Society is open to all students attending the Divinity Hall of the University; but all matriculated students in faculties other than the Faculty of Divinity are eligible for extraordinary membership.

*Honorary President*—The Rev. John Hunter, D.D.

*President*—David Young, M.A.

*Vice-President*—David Graham.

*Secretary*—George G. Duncan, M.A., The Manse, Bridge-of-Weir.

*Treasurer*—Charles Charleson.

*Committee.*

J. H. Pagan, M.A.

D. M. Stewart.

Alfred Brown.

J. A. S. Little, M.A.

(With two students of the first year in Divinity to be elected in November.)

## MEDICO-CHIRURGICAL SOCIETY.

The principal business of the Society is the prosecution of Medical Research by Dissertations and Debates.

All Medical Students and Medical Men of one year's standing are eligible for Ordinary Membership, which may be obtained on payment of the Annual Subscription of One Shilling.

Medical Students, if Members of the Union, may enrol as Members of the Society, free of charge.

Meetings of the Society are held in the Union Buildings every Friday Evening during the Winter Session, at 7 o'clock.

*Office-Bearers for 1893-94.*

*Honorary President*—Professor Samson Gemmell, M.D.

*President*—Archibald A. Warden, M.A.

*Vice-Presidents.*

*Senior*—John F. R. Gairdner.

*Junior*—James F. Gemmill, M.A.

*Secretaries.*

*Corresponding*—John W. Findlay, The Union.

*Minute*—J. Eric Wilson.

*Treasurer*—Francis R. Hill.

*Librarian*—Alexander G. Young.

*Committee.*

James C. Robertson, M.A.

William H. Lang.

John S. M'Kendrick.

W. H. de Hyde Wyt.

Thomas Hunter, M.A.

Alexander B. Sloan.

(With two Students of the first year in Medicine to be elected in November.)

Books are given out at weekly meetings, or during the week by written application.



## DIALECTIC SOCIETY.

The Society meets weekly during the Session for the discussion of Literary, Philosophical, and Political subjects.

All matriculated Students are eligible for Ordinary Membership, which is obtained by payment of the Annual Subscription of One Shilling.

*Honorary President.*

A. C. Bradley, M.A., Professor of English Literature.

*President*—R. S. Horne.

*Vice-Presidents.*

*Senior*—J. M. Manford.

*Junior*—J. W. Cleland.

*Secretaries.*

*Senior*—John G. Spens, M.A., Princes Gardens, Dowanhill.

*Junior*—James Ferguson.

*Treasurer*—W. Pringle.

*Macer*—Alex. M. Hamilton, M.A.

*General Board.*

John Brownlee, M.A.

J. A. S. Little, M.A.

Richard Morris.

A. J. Fleming.

Evan Parry.

A. W. Blue.

Campbell Taylor.

J. H. Pagan, M.A.

## GLASGOW UNIVERSITY ORIENTAL SOCIETY.

(Instituted 1880.)

The object of the Society is the study of the languages and literatures of the East.

All Students of Oriental languages are eligible for election to the membership.

The Society meets twice a year—in the months of April and October.

*Office-Bearers.*

*President*—Rev. Professor James Robertson, D.D.

*Vice-President*—Mr. R. B. Pattie, B.D.

*Corresponding Secretary*—Rev. James Young, B.D.

*Recording Secretary*—Rev. A. Cameron Watson, B.D.

*Treasurer*—Rev. Robert Gardner, B.D.

## GLASGOW UNIVERSITY ALEXANDRIAN SOCIETY.

This Society was formed in January, 1887. It has for its chief object the discussion of questions connected with the Literatures of Ancient Greece and Rome. The membership is open to Members of the University. Any distinguished Scholar or any Member of the University of five years' standing, or any person officially connected with the University, is eligible for Honorary Membership.

*Office-Bearers.**Honorary Presidents.*

Professor G. G. Ramsay, LL.D.

Professor G. G. A. Murray, B.A.

*President*—R. M. Burrows, B.A.*Vice-Presidents*—J. Dick and W. H. Low.*Secretary*—W. Gow.*Treasurer*—J. R. Tannahill.*Committee.*

D. Rankin, M.A.

W. M. R. Pringle.

W. L. Parkin.

J. C. Kinnis.

## GLASGOW UNIVERSITY PHILOSOPHICAL SOCIETY.

(Instituted 1887.)

The Society was instituted for the promotion of Philosophical Discussion and Investigation, and meets fortnightly on Tuesday Evenings at Half-past Seven during the Winter Session. The Society is affiliated to the University Union. Ordinary Membership is open to all Students who have attended or who are attending Philosophical Classes in any University. The annual subscription is half-a-crown, but to members of the University Union who join the Society otherwise than by selecting it as one of the two societies open to them without subscription, the annual subscription is one shilling.

*Office-Bearers for Session 1893-94.**Honorary Presidents.*

Principal Caird,

Professor Veitch,

Professor Edward Caird,

Professor A. C. Bradley,

Professor F. H. Bradley, Oxford.

*Ex Officiis.**President*—Gavin L. Pagan.*Vice-President*—G. G. Alexander.*Secretary*—Henry N. Brailsford.*Treasurer*—Andrew M'Lachlan.*Members of Committee.*

A. H. Charteris.

J. Cuthill.

J. C. Duke.

P. D. Pringle.

(And two others to be elected in November.)

## GLASGOW UNIVERSITY PHILOMATHIC SOCIETY.

(Instituted in 1886.)

The object of this Society is the promotion of the study of English Literature by the reading of selected works in prose and poetry during Summer, and the discussion of these during the Session. Its meetings are held every alternate Saturday throughout the Winter Session at Seven. All Members of the University are eligible for membership, which may be obtained through the Union, or by the payment of the

Annual Subscription of One Shilling. The Works to be treated next Session are—Spenser's Faerie Queene, Bk. II., Shepherd's Calendar, and Epithalamion; Shakespeare's Troilus and Cressida, and Coriolanus; Mrs. Browning's Aurora Leigh; Swift's Tale of a Tub, Battle of the Books, and Gulliver's Travels; Landor's Imaginary Conversations; George Meredith's Egoist, and Ordeal of Richard Feverel.

*Office-Bearers.*

*Honorary-President*—Professor Bradley, M.A.

*President*—David S. Merrow, M.A.

*Vice-President*—Gavin L. Pagan.

*Secretary*—Andrew M'Lachlan, Craigton, Rothesay.

*Treasurer*—A. H. Charteris.

*Committee.*

James Dick.

D. Scott.

Campbell Taylor.

GLASGOW UNIVERSITY ENGINEERING SOCIETY.

(Instituted 1891.)

The objects of this Society are the promotion of the study of Engineering and the diffusion of Engineering information among the members, by the reading of papers, by discussions, and by such other means as the Society shall approve.

The membership is open to all past and present Students of the University.

*Office-Bearers for Session 1893-94.*

*Honorary President*—Professor Arch. Barr, D.Sc.

*President*—J. H. A. M'Intyre, M.I.M.E., Whit.-Sch.

*Vice-Presidents.*

*Engineering*—

M. Æ. Macbean.

*Naval Architecture*—

P. S. Pilcher.

*Hon. Secretary.*

J. Moir Dickson, L.R.Sch., 13 Summerfield Cottages, Whiteinch.

*Treasurer*—Patrick Hamilton, 4 Lansdowne Crescent, Glasgow.

*Committee.*

*Engineering*—

J. Gray.

Gardiner H. MacKillop.

C. P. Hogg, C.E.

*Naval Architecture*—

John E. MacIlwaine.

J. M'Gregor.

GLASGOW UNIVERSITY NATURAL HISTORY SOCIETY.

The principal business of the Society is the promotion of the study of Natural History by organizing Field Excursions and Demonstrations.

Any present or past Students of the University are eligible for membership; the Annual Subscription is One Shilling.

During the Summer Session weekly Excursions are made; Demonstrations or Lectures are given in the Winter Session.

*Office-Bearers for 1893-94.**Honorary-President*—Professor F. O. Bower, M.A., D.Sc., F.R.S.*President*—James Rankin, B.Sc.*Vice-President*—James C. Robertson, M.A.*Secretary*—Archibald Young.*Treasurer*—Robert Buchanan, B.Sc.*Committee.*Messrs. J. Gemmill, M.A., J. Macewen, S. Anderson, William  
S. Cook, B.Sc., W. H. Lang.

## GLASGOW UNIVERSITY CHEMICAL SOCIETY.

The objects of the Society are the promotion of the study of Chemistry, and the diffusion of Chemical information amongst its Members. Past and present Students of the University are eligible for membership on payment of an Annual Subscription of One Shilling. Meetings are held monthly during the Winter Session.

*Honorary President*—Professor Ferguson, LL.D.*President*—J. Stanley Muir, B.Sc.*Vice-President*—Edward Rodger.*Secretary and Treasurer*—

William Darling, 5 Foremount Terrace, Dowanhill.

*Committee.*

W. R. Lang, B.Sc.

W. Zinkeisen, B.Sc., Ph.D.

M. A. Parker.

J. F. Bottomley.

## GLASGOW UNIVERSITY ORCHESTRAL SOCIETY.

This Society was formed in January, 1885, at a general meeting of Students, presided over by Wm. Galbraith Miller, Esq. The Society has for its object the promotion of the study and practice of Instrumental Music among Members of the University. The membership is open to present and former Students of the University. Others, however, may be admitted by special resolution of the Committee.

*Patrons.* (1888-89.)

The Very Rev. Principal Caird.

Professor Sir William Thomson.

,, Grant.

,, Nichol.

,, Gairdner.

,, Ramsay.

,, Veitch.

,, Edward Caird.

Professor Young.

,, Stewart.

,, Ferguson.

,, Jebb.

,, M'Kendrick.

,, Robertson.

,, Jack.

W. Galbraith Miller, Esq., Advocate.

J. T. Bottomley, Esq., F.R.S.

*Office-Bearers.* (1888-89.)*Honorary President*—Professor Young.*President*—Professor Ferguson.*Secretary and Treasurer*—George Guthrie, M.A., LL.B.,

226 West George Street.

*Librarian*—Robert G. Reid.

*General Committee.*

W. G. Miller, Esq.

Charles E. Beckett, M.A., LL.B.

V. Zinkeisen, Jun.

Robert G. Reid.

*Conductor*—Mr. Montague Smith.

## GLASGOW UNIVERSITY MISSIONARY SOCIETY.

(Instituted 1821.)

*Office-Bearers for 1893-94.**Honorary President*—Sir John Neilson Cuthbertson.*President*—J. H. Pagan, M.A.*Vice-President*—E. S. Gunson, M.A.*Superintendents of Home Missions*— { William Shannon.  
George G. Duncan, M.A.*Secretary*—Thomas R. Kearney, 5 West George Street, Coatbridge.*Assistant Secretary*—William Steven, M.A.*Librarian*—D. Melville Stewart.*Treasurers*— { John M'Gilchrist, B.A.  
Robert Wilson.*Members of Committee.**From Theology*—

D. Young, M.A.

D. Macdonald, M.A.

Robert Smith.

J. Gillespie.

J. C. M'Naught.

J. M'Callum.

*From Arts*—

W. Jeff.

J. Swan.

J. Hamilton.

*From Law*—

R. S. Horne.

*From Medicine*—

S. D. Cowan.

R. M'Naught.

*Home Missionary*—Horace J. Dick.

## GLASGOW UNIVERSITY CHRISTIAN ASSOCIATION.

The object of this Society is the promotion of religious life and fellowship in the University.

In connection with the Association there are held—Weekly Prayer Meetings, Sabbath Evening Services, Bible Readings, etc.

*Office-Bearers.**Hon. President*—Lord Kelvin, LL.D., D.C.L.*Hon. Vice-President*—Rev. John Macara, B.D.*President*—Gavin L. Pagan.*Vice-President*—James W. Anderson.*Secretary*—William Boyd, 10 Possil Road.*Assist.-Secretary*—James M'Cash, Jun.*Treasurer*—Alex. B. Sloan.*Assist.-Treasurer*—Thos. Colligan.*Committee.*

Thomas Cochrane.

A. Jones.

G. T. Maclean.

John M'Leary.

W. D. Miller.

(With another to be appointed in November.)



## GLASGOW UNIVERSITY TOTAL ABSTINENCE SOCIETY.

The object of this Society is to unite the abstaining students in the University, and to promote the cause of Total Abstinence. This work it accomplishes among the students by means of lectures, sermons, etc., while, outside the University, it carries on a successful Temperance Mission Work.

*Office-Bearers for 1893-94.*

*Honorary President*—Professor G. G. A. Murray, B.A.

*Honorary Vice-Presidents.*

R. M. Burrows, B.A.

Geo. A. Gibson, M.A.

A. Cameron Corbett, M.P.

*President*—William Boyd.

*Vice-President*—John Middleton.

*Secretary*—G. T. Maclean, 10 Possil Road.

*Treasurer*—David Swan.

*Committee.*

J. W. Anderson.

J. M'Leary.

M. Fairgrieve.

S. D. Cowan, M.A.

M. Dunlop, M.A.

A. T. M'Ewan.

J. H. Gillespie, M.A.

D. Robertson.

## GLASGOW UNIVERSITY FREE CHURCH STUDENTS' SOCIETY.

This Society exists for the purpose of introducing young men connected with the Free Church into the social and intellectual life of the University. All students connected with the Free Church and others, such as the Society may approve of, are eligible for membership on payment of the annual subscription of One Shilling. The Society meets in the Free Church College every Saturday at Eleven a.m.

*Honorary President*—Rev. Henry Bremner, D.D.

*President*—John Muir.

*Vice-President*—Thomas Brown.

*Secretary*—Joseph Shillinglaw, 7 Rutland Crescent, Glasgow.

## GLASGOW UNIVERSITY ATHLETIC CLUB.

*Honorary President*—Professor Bower, D.Sc., F.R.S.

*President*—F. R. Stewart.

*Vice-President*—K. Adamson.

*Hon. Secretary and Treasurer*—A. D. D. Crawford, 183 West George Street, Glasgow.

*General Committee (including Office-Bearers).*

Robert Hutcheson, LL.B.

M. P. Fraser, LL.B.

George Lamb, M.B., C.M.

W. B. Thomas.

D. Robertson.

J. A. Marshall.

J. Thomson.

J. M. Smith.

C. W. Stewart.

*Sub-Committees.**Rugby Football.*

D. M. Campbell.  
H. S. Robertson.  
C. Macgregor.  
D. M. Millar.  
W. B. Thomas, Students' Union,  
*Hon. Sec.*

*Tennis.*

A. A. Warlen, M.A.  
W. F. McEwen.  
F. J. Barker.  
R. M. Burrows.  
J. A. Marshall, 208 St. Vincent  
Street, *Hon. Sec.*

*Golf.*

J. Stewart Carrick.  
Stuart Foulis.  
M. P. Fraser, LL.B.

Warren Crosbie, B.L.  
Robert Hutcheson, LL.B.,  
*Secretary.*

*Cricket.*

William Irwin.  
A. Webster.  
F. Hill.  
J. Thomson.

J. Patrick.  
James Aiken, M.A., Students'  
Union, *Hon. Sec.*

The object of the Club is the promotion of all forms of Athletic exercise. The Membership is confined to present and past Students of the University. The affairs of the Club are managed by a General Committee and Sub-Committees, one for each form of Athletic exercise. The General Committee are entrusted with the management of all matters concerning the Field, Pavilion, Annual Games, &c. The Sub-Committees are entrusted with the arrangements for each special form of exercise, subject always to the approval of the General Committee. The Annual Subscription to the Club is 2s. 6d., with a further Subscription for each form of exercise. None but Members of the Club are entitled to play any game under charge of any Sub-Committee.

The Annual General Meeting is held on the first Friday in November. Special Meetings are held when required.

## GLASGOW UNIVERSITY UNITED PRESBYTERIAN STUDENTS' SOCIETY.

*Honorary President*—Rev. William Dickie, M.A.

*President*—J. C. Scott.

*Vice-President*—A. W. Blue.

*Secretary*—S. H. McEwing, Carmyle Terrace, Tolcross.

*Treasurer*—H. A. Whitelaw.

*Committee.*

Andrew Mc'Latchlan.  
W. Gow.  
W. Pringle.

John E. Mc'Intyre.  
J. Muir Corbett.

(And another to be elected in November.)

This Society meets every Saturday at 10 a.m., in the Hall of Woodlands Road U.P. Church.

The objects of the Society are the promotion of social intercourse and the furtherance of moral and intellectual culture among its members.

All Students attending the University in any Faculty, who are connected with the United Presbyterian Church, are eligible for membership, which is obtained by the payment of the annual subscription of One Shilling. Students not connected with the United Presbyterian Church who may desire to join the Society, may become Associates by the payment of the above sum.

---

## GLASGOW UNIVERSITY RIFLE CLUB.

*President*—The Very Rev. Principal Caird, D.D., LL.D.

*Vice-Presidents*—Professor Murray and Lieutenant-Colonel Reid.

*Team-Captain*—A. H. Donald, 172 St. Vincent Street, Glasgow  
(Captain 1st Lanark R.V.).

*Vice-Captain*—T. Eaton Robinson (Lieutenant 1st Lanark R.V.).

*Secretary*—Robert Carswell, 124 Bath Street, Glasgow  
(Lieutenant, 1st Lanark R.V.).

*Treasurer*—R. Kyle (Lieutenant 1st D.R.V.), Wellington Street,  
Glasgow.

*Committee*—Thomas Stout, M.A., B.L. (Captain 1st Lanark R.V.),  
John Coats (Lieutenant 3rd V.B.H.L.I.), A. W. Tillie (Captain 4th  
V.B.S.R.), and A. Campbell.

Its objects shall be to promote rifle shooting among students and ex-students of Glasgow University, and to provide the means of having Glasgow University well represented in the annual match for the Inter-University Trophy.

All students and ex-students of Glasgow University shall be eligible as Patrons and Ordinary Members. All persons officially connected with the University shall be eligible as Patrons. Both classes of Members may take part in the competitions.

All persons, eligible as above, subscribing 10s. or upwards annually, shall be *ipso facto* Patrons. The subscription for Ordinary Members shall be 5s. for ex-students, and 2s. 6d. for present students, all payable by 1st March annually. These annual subscriptions may be commuted by a present payment of £3 3s., entitling the person paying to become a Life Patron.

---

## THE UNIVERSITY CLUB, GLASGOW, 202 BATH STREET.

The Club is instituted for the association of gentlemen connected with the universities of the United Kingdom or with foreign universities.

The following persons are eligible for admission into the Club as ordinary members:—(1) Graduates and *alumni* of any recognized university in the United Kingdom or abroad; (2) Professors, and persons holding any honorary office in connection with a university.

The entry-money is £5 5s., and the annual subscription for a member having a residence or place of business within five miles of Glasgow Royal Exchange, is £2 2s., and for a member having neither a residence nor place of business within that distance, £1 1s.

*Committee for 1893.*

Joseph Coats, M.D., *Chairman of the Club.*

W. J. Fleming, M.D.

John Henderson, M.A.

John G. Kerr, M.A.

William Kidston, B.L.

James Lang.

Robert MacLehose, M.A.

James Ness, LL.B.

R. Ogilvie, LL.D., H.M.I.S.

Professor Ramsay.

James D. Robertson.

Professor Robertson.

Wm. Zinkeisen, B.Sc.

R. E. Smith.

J. Yule Mackay, M.D.

James Fleming, LL.B.

George Marshall, M.B., C.M.

J. Lindsay Steven, M.D.

Thomas Binnie, M.A.

John Scotland.

T. K. Dalziel, M.B., C.M.

*Secretary and Treasurer*—Thomas M. Stewart, LL.B., 173 St. Vincent Street, Glasgow.

Full particulars as to membership, etc., may be obtained on application to the Secretary at his address.

## GLASGOW UNIVERSITY CLUB, LONDON.

The objects of the Club are to maintain good fellowship among its members, and to promote the interests of the University of Glasgow and of higher education in connection therewith.

Graduates, and all who are or have been students of the University of Glasgow, or officially connected with it, are eligible for membership.

*Office-Bearers for 1893-94.*

*President*—Edmund L. Lushington, Esq., D.C.L., LL.D.

*Vice-Presidents—*

General Sir Archibald Alison, Bart.,

G.C.B., LL.D.

James Bryce, Esq., D.C.L., M.P.

R. W. Cochran-Patrick, Esq., LL.D.

Mr. Justice Stirling.

Lord Kelvin, P.R.S., D.C.L., LL.D.

Sir Joseph Lister, Bart., D.C.L.,

F.R.S.

The Rt. Hon. Lord Sandford.

Professor Jack, LL.D.

*Council—*

James Ballantyne.

J. H. Hedderwick.

William Henderson, M.D.

Professor G. G. Ramsay, LL.D.

G. L. Craik.

James Hardie, M.A.

Norman Kerr, M.D.

Norman M. MacLehose, M.B., C.M.

G. A. Heron, M.D.

W. D. Jeremy, M.A.

Professor W. Ramsay, F.R.S.

The Rev. H. C. Wilson, M.A.

*Honorary Treasurer*—Professor John M. Thomson, F.C.S., King's College, London.

*Honorary Secretaries—*

Professor D. W. Finlay, M.D., F.R.C.P., 2 Queen's Terrace, Aberdeen.

John R. M'Ilraith, Esq., M.A., LL.B., Barrister-at-Law, 4 Harcourt Buildings, Temple, E.C.

# INDEX.

NOTE.—Bursaries, Scholarships (including Exhibitions and Fellowships), and Prizes will be found grouped under these headings respectively.

Academical Year, 121  
 Anatomy, Course in, 65, 72  
 —, Class Certificates of Merit, 1892-93, 321  
 —, Passes in, 1892-93, 302  
 —, Examination Questions in, 1892, 424, 425  
 Arabic—*see Oriental Languages*  
 Architecture, Naval, including Marine Engineering—*see Naval Architecture*  
 Arithmetic, Examination Questions in, 1892-93, 415  
 Army, Examination for, 41  
 Arnott and Thomson Demonstratorship, 98  
 Arts, Faculty of, 44, 50, 119, 121, 187, 269, 279, 293, 295, 324, 336, 369, 458  
 —, Degree in—*see Degrees*  
 —, Masters of, 1892-93, 293  
 —, Preliminary Examinations in, 119, 121, 124, 304, 336  
 —, —, Pass List, 1892-93, 304  
 —, Literate in, Certificate of, 139  
 Assessors, 17, 32  
 Assistants, University, 19, 34  
 Astronomy, Practical, Course in, 63, 65  
 —, Class Prize List, 1892-93, 326  
 —, Examination Questions in, 398  
 Bachelor of Surgery, 161  
 Bachelors of Divinity, 1892-93, 289  
 Bachelors of Laws, 1892-93, 289  
 — of Law, 1892-93, 290  
 — of Medicine, 1892-93, 291  
 — of Science, 1892-93, 294  
 Baxter Demonstratorship in Geology, 99  
 Biblical Criticism—*see Divinity and Biblical Criticism*  
 Blackstone Medals, 261, 330, 331  
 Boards of Studies, 127  
 Botanic Garden, 118  
 Botany, Course in, 64, 65, 78  
 —, Class Certificates of Merit, 1892, 322  
 —, Passes in, 1892-93, 303  
 —, Examination Questions in, 1892, 397, 422  
 —, Vacation Exercises, 1893-94, 444  
 Bursaries—  
 Adam, James, 189  
 Adam, John, 189, 274  
 Adamson, 189  
 Angus and Mearns Ben. Soc., 189  
 Ardkinglass, 190  
 Armagh, 190, 273  
 Arthur, 237  
 Ayrshire Masonic, 190

Bursaries—  
 Ayrshire Society, 191  
 Barbour Kilbarchan, 191  
 Biggart Memorial, 191, 270  
 Black, 192, 274  
 Blackquarry School, 192, 269  
 Boyd, 193  
 Boyd and Sanders, 193  
 Brand, 193  
 Brisbane, 193  
 Brown, 194  
 Brown or Ettles, 194  
 Brown, Ebenezer, 194  
 Browne (Ayrshire), 194, 270  
 Brown-Paton, 195,  
 Buchanan, 195  
 Buchanan (Bellfield), 195  
 Celtic Society (Campbell), 196  
 Clark, John (Mile-end), 196, 270  
 Cowan, 197  
 Craig, Archibald, 197, 270  
 Craig, 197  
 Crawford (or Bishop's), 198  
 Davidson, 198  
 Denny, 199, 270  
 Dumfriesshire Society, 199  
 Duncan's Bute, 199  
 Dundonald, 200  
 Elder, 200  
 Ewing, James, 201  
 Exchequer, 201  
 Ferguson, James, 201, 271  
 Forfar, 202, 269  
 Forrest, 203  
 Foundation, 203, 269  
 Fullarton of Overton, 203, 270  
 General Council, 204, 269  
 Gibson, John, 204  
 Gilchrist, 205  
 Gilhagie, 205  
 Glasgow City Educational Endowments, 205, 270  
 Grant, George, 206  
 Grant, George, Junior, 206  
 Hamilton, 207  
 Hamilton Educational Trust, 207  
 Hannay, 207, 270  
 Hastie, 208, 269  
 Highland Society, 208  
 Howison, 209  
 Hutcheson's Educational Trust, 209, 270  
 Hyndford, 209  
 Jaffrey, John Ferguson, 209, 271



## Bursaries—

Kerr, Malcolm, 210  
 Kintyre (Ker), 210  
 Kintyre (Love), 211  
 Laing, Alexander, 211, 270  
 Laing, James, 211, 270  
 Lamb, 212  
 Leadbetter, 212  
 Leighton, 212  
 Leyden, John, 212, 269  
 Library (Old), 212  
 Lochhead, James, 213, 270  
 Lochhead & Mitchell, 213  
 Logan, 213, 274, 276  
 Lorimer, 213, 271, 271, 274, 276  
 Lumsden, 215  
 Lusk, 216  
 Macarthur, 216  
 M'Crie, 216  
 M'Culloch, James Melville, 217, 270  
 Macdonald, 217, 272  
 MacDougall, 217  
 M'Ewen, Malcolm, 218  
 Macfarlane, James, 219  
 Macfarlane, John, 219, 276  
 MacGrouther, 219  
 M'Kechie, 220  
 Mackintosh, 220, 276  
 Maitland Club, 220  
 Marshall, 221, 274  
 Marshall Trust, 221, 270  
 Menzies, 222  
 Merchants' House, 222, 276  
 Metcalfe, 223  
 Monteith, 223, 272  
 Monteith, John, 224, 276  
 Muir, 224, 272  
 Muir Divinity, 226, 274  
 Notman, 226, 274  
 Orr-Ewing, Dumbartonshire, 227, 270  
 Park General Council, 204, 271  
 Paterson, James, 228  
 Paterson, James Alexander, 228, 271, 276  
 Patrick, 229, 271  
 Perthshire Society, 229  
 Pollock, 230, 271  
 Rainy, 230, 276  
 Ramsay-Walker, 231, 271  
 Ross, 231  
 Ross, John, junior, 231  
 Scott, 232  
 Shearer, 232  
 Smith, 233  
 Stevenson of Dalry, 233  
 Stewart, 233, 271  
 Stirlingshire Society, 234  
 Struthers, 234  
 Taylor, 234  
 Thomson, James, Philosophical, 234, 271  
 Walkinshaw-Young, 235  
 Walton, 235  
 Weir, Andrew, 235, 276  
 Williams, 236  
 Wilsone, 236  
 Young's Fund (Major), 236

Bursaries, Competition, 1893-94, 269  
 Bursaries, Competition, Examination Questions for 1892, 336, 339, 346, 351  
 Bursaries, Competition, List of distinguished Competitors in 1892, 308  
 Bursars, Class attendance of, 186, 187  
 Calendar, University, 7-16  
 Chaldee—see *Oriental Languages*  
 Chancellor, 17, 28  
 Chapel, 40  
 Chemistry, Course in, 64, 65, 76  
 —, Class Certificates of Merit, 1892-93, 323, 333  
 —, Passes in, 1892-93, 302, 303, 304  
 —, Examination Questions in, 1892, 397, 421  
 Church History—see *Ecclesiastical History*  
 Civil Engineering and Mechanics, Course in, 66  
 —, Passes in, 1892-93, 303, 304  
 —, Class Prize List, 1892-93, 324  
 Class Prizes, 1892-93, 311  
 Classes, Programme of, 1894, 47  
 —, —, 1893-94, 44  
 Classes, Separate Faculties and, 44, 50  
 Classical Literature, Certificates in Department of, 1892-93, 295  
 Clinical Lectures, 46, 47, 81, 82  
 Clinical Medicine, 82  
 Clinical Surgery, 81  
 Comitia, 27  
 Conveyancing, Course in, 88  
 —, Passes in, 1892-93, 299, 301  
 —, Class Prize List, 1892-93, 313  
 —, Examination Questions in, 1892-93, 435  
 Council, General, 36  
 —, —, Members of, 1893, 466  
 Court, University, 17, 32  
 —, —, Proceedings of, 1892-93, 445  
 Dean of Faculties, 17, 30  
 Degree and Prize List, 1892-93, 289  
 Degrees Conferred, 1892-93, 289  
 —, Departmental Certificates, 1892-93, 294  
 —, Examination Questions for, 1892-93, 369  
 — in Arts (M.A.), *Regulations*, 125, 130  
 —, —, Subjects of Examination for, 132  
 —, —, Table of Examinations for M.A., &c., 138  
 — in Divinity (B.D.) *Regulations*, 180  
 — (D.D.) *Regulations*, 182  
 — in Law (LL.B. and B.L.) *Regulations*, 174  
 —, —, Table of Examinations for, 179  
 — (LL.D.) *Regulations*, 183  
 — in Medicine and Surgery, *Regulations*, 151, 165  
 —, —, Table of Examinations for, 171  
 — in Science (B.Sc.), *Regulations*, 143, 147  
 — (D.Sc.), *Regulations*, 146, 150  
 —, —, Table of Examinations for B.Sc., 151  
 —, Examiners for, 20, 35, 119, 165  
 —, Higher, 153  
 Degrees, Honorary, 182, 183  
 —, —, Conferred, 1892-93, 289  
 Demonstrators, 19, 34

Demonstratorships, 98  
 Departmental Certificates, 1892-93, 294  
 Departments of Study in Arts, 50, 125  
 Diploma for Teachers, 142  
 Diploma in Public Health—*see Public Health*  
 Divinity, Course in, 94  
 — Class Prize List, 1892-93, 311  
 —, Degrees in—*see Degrees*  
 —, Faculty of—*see Theology*  
 Divinity and Biblical Criticism, Course in, 97  
 — Class Prize List, 1892-93, 311  
 Divinity Hall, Course of attendance at, 92  
 Doctors of Divinity, 1892-93, 289  
 — Laws, 1892-93, 289  
 — Medicine, 1892-93, 290  
 Drawing, Examination Questions in, 406  
 Dress, Academic, 39, 184  
 Dynamics, Examination Questions in, 366, 400  
 Ecclesiastical History, Course in, 96  
 — Class Prize List, 1892-93, 312  
 Elocution, Teachers of, 94  
 Engineering Science, Certificate in, 152  
 Engineering Science, Certificates in, 1892-93, 294  
 Engineering, Naval Architecture, and Marine—*see Naval Architecture*  
 Engineering, Examination Questions in, 403  
 English Language and Literature, Course in, 55  
 — Class Prize List, 1892-93, 329, 332  
 —, Passes in, 1892-93, 297, 300  
 —, Vacation Reading, 443  
 English, Examination Questions in, 1892-93, 336, 377, 412  
 Examinations in Arts and Science, Preliminary, 119  
 — Medicine, Preliminary, 119, 156  
 —, Pass Lists, 304, 308  
 — for Candidates for the Army, 41  
 — for Degrees, 121, 125, 132, 138, 143, 151, 155, 171, 174, 179  
 — for Literate in Arts, 139  
 Examination Questions for Bursary and Preliminary Examination in Arts and Science, 1892-93, 336  
 — for Class Examinations, 440  
 — for Degrees in Law, 1892-93, 433  
 — for Degrees of M.B. and C.M., 1892, 421  
 — for Degrees in Science, 397  
 — for M.A., 1893, 369  
 — for Snell Exhibitions, 387  
 — for Medical Preliminary, 1892-93, 412  
 — for Luke Historical Prize, 438  
 Examiners for Degrees, 20, 35, 119  
 —, Preliminary, 21, 119  
 Exhibitions—*see under Scholarships*  
 Eye, Diseases of the, Course in, 82  
 Factors, University, 21  
 Faculties and Classes, Separate, 44, 50  
 Faculty of College, 27  
 Fees, Class, 44, 46  
 —, Examination and Graduation, 41

Fees, Library, 43  
 —, Matriculation, 41  
 —, Registration, 43  
 Fellowships—*see under Scholarships*  
 Financial Statement for 1891-92, 458  
 Forensic Medicine—*see Medical Jurisprudence*  
 French, Passes in, 1892-93, 301  
 — Class Prize List, 333  
 —, Examination Questions in, 1892-93, 356, 417, 429  
 General Council, 36  
 General Council, Members of, 1893, 466  
 Geodesy, Examination Questions in, 402  
 —, Passes in, 1892-93, 304  
 Geology—*see Natural History*  
 —, Passes in, 302  
 German, Passes in, 1892-93, 301  
 — Class Prize List, 333  
 —, Examination Questions in, 1892-93, 361, 419, 431  
 —, Lectures on Literature, 102  
 Gifford Lectureship, 101  
 Gown, Academic, 39, 184  
 Graduates in Arts, 1892-93, 293  
 — Divinity, —, 289  
 — Law, —, 289, 290  
 — Medicine, —, 290, 291  
 — in Science, —, 294  
 Graduation in the several Faculties, 119  
 —, Ceremony of, 174, 185  
 Graduation Fees—*see Fees*  
 — Terms, 174  
 Greek, Course in, 53  
 — Class Prize List, 1892-93, 329  
 Greek, Passes in, 1892-93, 296, 300  
 —, Examination Questions in, 1892-93, 346, 371, 388, 416  
 — Vacation Exercises, 1893, 443  
 Gymnasium, 40  
 Gynaecology—*see Women, Diseases of*  
 Health, Public, Diploma in—*see Public Health*  
 Hebrew—*see Oriental Languages*  
 Hebrew, Passes in, 299  
 History and Law, Department of, 65, 126  
 History, Ecclesiastical—*see Ecclesiastical History*  
 —, Natural—*see Natural History*  
 Honour List, 279  
 Honyman Gillespie Lectureship, 74  
 Hospital—*see Infirmary*  
 Humanity, Course in, 50  
 — Class Examinations, 440  
 — Class Prize List, 1892-93, 330, 332  
 — Vacation Exercises, 1893, 444  
 Hunterian Museum, 116  
 Infirmary, Eye, 50  
 —, Royal, 50  
 —, Western, 48  
 Insanity, 50, 83  
 Institutes of Medicine, Course in, 65, 79  
 — Class Certificates of Merit, 1892-93, 320, 334

- Joint Board of Examiners, 119  
*Jurisdictio Ordinaria*, Court of, 27  
 Jurisprudence, Medical—see *Medical Jurisprudence*
- Language and Literature, Department of, 50, 125  
 Latin—see *Humanity*.  
 —, Examination Questions in, 1892-93, 339, 369, 387, 412  
 —, Passes in, 1892-93, 295, 300  
 Law, Degrees in—see *Degrees*  
 Law, Faculty of, 46, 83, 120, 174, 186, 276, 289, 429, 459  
 —, Civil, Course in, 65, 88  
 —, —, Passes in, 1892-93, 299, 301  
 —, —, Examination Questions in, 1892-93, 433  
 —, Constitutional, and History, Course in, 65, 91  
 —, —, —, Passes in, 1892-93, 300, 301  
 —, —, Class Prize List, 1892, 314  
 —, —, Examination Questions in, 1892-93, 437  
 —, Philosophy of, Course in, 59, 90  
 —, —, Examination Questions in, 436  
 —, Public, Course in, 65, 90  
 —, —, Passes in, 1892-93, 299, 301  
 —, —, Class Prize List, 1892-93, 314  
 —, —, Examination Questions in, 1892-93, 436  
 —, Scots, Course in, 87  
 —, —, Passes in, 1892-93, 299, 301  
 —, —, Class Prize List, 1892-93, 313  
 —, —, Examination Questions in, 1892-93, 434  
 Lecturers, 19, 34  
 — Extra-Academical, Appendix III.  
 Library, Divinity Hall, 116  
 —, University, *Regulations*, 103  
 —, —, Catalogues, 107  
 —, —, Donations to, 108  
 Literate in Arts, Certificate of, 139  
 Literature, English Language and — see *English Language and Literature*  
 Logic and Rhetoric, Course in, 57  
 —, —, Passes in, 1892-93, 297, 300  
 —, —, Class Prize List, 1892-93, 328, 332  
 —, —, Examination Questions in, 1892-93, 373, 390  
 —, Vacation Exercises, 1893, 442
- Masters of Arts, 1892-93, 293  
 — in Surgery, 1892-93, 291  
 Materia Medica, Course in, 79  
 —, Practical, 79  
 —, Class Certificates of Merit, 1892-93, 316  
 —, Examination Questions in, 1892, 426  
 Mathematics, Course in, 60, 65  
 —, Passes in, 298, 302, 303  
 —, Certificates in Department of, 1892-93, 293  
 —, Class Prize List, 1892-93, 326, 332  
 —, Examination Questions in, 1892-93, 351, 381, 392, 398, 415
- Mathematics and Natural Philosophy, Certificates in department of, 1892-93, 298  
 Matriculation Fees, 39, 41  
 Mechanics—see *Civil Engineering*  
 Medal, University, 267, 277, 309  
 Medals (Gold)—Cleland, 261, 277  
 —, —, Cowan, 261, 330, 331  
 —, —, Cunninghame, 262, 326  
 —, —, Dobbie-Smith, 262, 278  
 —, —, Ewing, 263, 300  
 —, —, Gartmore, 264, 277  
 —, —, Jeffrey, 265, 329  
 —, —, Logan (Thomas) Memorial, 265, 273, 310  
 —, —, Rae Wilson, 266, 278  
 —, —, Scott-Macfarlan, 267, 329  
 —, —, (Medical), 315-324  
 Medical Jurisprudence, Course in, 81, 89  
 —, Passes in, 1892-93, 300, 301  
 —, Class Certificates of Merit, 1892, 315  
 —, Examination Questions in, 1892, 428, 437  
 Medical Students, Registration of, 156  
 Medicine, Bachelors of, 1892-93, 291  
 Medicine, Doctors of, 1892-93, 290  
 Medicine, Faculty of, 46, 69, 120, 124, 155, 186, 286, 290, 412, 459  
 Medicine, Clinical, Course in, 82  
 —, —, Class Certificates of Merit, 1892-93, 317, 318  
 Medicine, Graduation in—see *Degrees*  
 Medicine, Institutes of—see *Institutes of Medicine*  
 —, Practice of, Course in, 69  
 —, —, Class Certificates of Merit, 1892-93, 317, 335  
 —, —, Examination Questions in, 1892, 427  
 Member of Parliament, 17, 38  
 Mental Philosophy, Department of, 57, 125  
 —, Certificates in, 1892-93, 296  
 Midwifery, Course in, 75  
 —, Class Certificates of Merit, 1892-93, 316, 335  
 —, Examination Questions in, 1892, 428  
 Moral Philosophy, Course in, 58  
 —, Passes in, 1892-93, 297, 300  
 —, Class Prize List, 1892-93, 327, 332  
 —, Examination Questions in, 1892-93, 374, 391  
 —, Vacation Exercises, 1893, 442  
 Muirhead Demonstratorship of Physiology, 98  
 Museum, Hunterian, 116  
 —, Keeper of, 21  
 —, Donations to, 117
- Nations, Matriculated Students divided into, 29  
 Natural History, Course in, 64, 73  
 —, —, Class Certificates of Merit, 1892-93, 321, 334  
 —, —, Examination Questions in, 1892, 422  
 Natural Philosophy, Course in, 61, 65  
 —, —, Passes in, 1892-93, 299, 302, 303  
 —, —, Class Prize List, 1892-93, 326

- Natural Philosophy, Examination Questions in, 1892-93, 383, 395, 400  
 Natural Theology—*see Gifford Lectureship*  
 Naval Architecture and Marine Engineering, Course in, 68  
 —, Prize List, 1892-93, 325  
 —, Passes in, 303, 304  
 —, Examination Questions in, 407  
 Observatory, 63  
 Obstetrics—*see Midwifery*  
 Officers, University, 17  
 Oriental Languages, Course in, 57, 95  
 —, Class Prize List, 1892-93, 312  
 —, Vacation Exercises, 1893, 442  
 Out-Door Visitation, 49  
*Pædagogium*, 24  
 Parliament, Representative in, 17, 38  
 Pathology, Course in, 82  
 —, Class Certificates of Merit, 323, 324, 334  
 —, Examination Questions in, 1892, 428  
 Pharmacy—*see Materia Medica*  
 Philosophy, Mental—*see Mental Philosophy*  
 —, Moral—*see Moral Philosophy*  
 —, Natural—*see Natural Philosophy*  
 Physic, Practice of—*see Medicine, Practice of*  
 Physics, Class Certificates of Merit, 324, 333  
 —, Examination Questions in, 423  
 Physiology—*see Institutes of Medicine*  
 —, Passes in, 1892-93, 302  
 —, Examination Questions in, 1892, 425  
 Political Economy, Course in, 59  
 —, Passes in, 1892-93, 301  
 —, Class Prize List, 1892-93, 328, 332  
 Preliminary Examinations in Arts and Science, 119, 121, 124  
 —, —, Pass Lists, 1892-93, 304  
 —, in Medicine, 119, 124  
 —, Pass Lists, 308  
 —, Examination Questions, 1892-93, 336-369  
 412-421, 429-433  
 Principal, 17, 31  
 Prize and Degree List, 1892-93, 289  
 Prizes, Class, 1892-93, 311  
 Prizes—  
     Arnott, 259, 276, 310  
     Blackstone Examination, 261, 330, 331  
     Brunton Memorial, 260, 277, 310  
     Buchanan, 261  
     Cleland, 261, 277  
     Coulter, 261, 277, 310  
     Cowan, 261, 330, 331  
     Cunninghame, 262, 326  
     Dill, 268  
     Dobbie-Smith, 262, 278  
     Dowanhill, 263, 275  
     Ewing, 263, 309  
     Findlater, 263, 275, 310  
     Gartmore, 264, 277  
     Gladstone Historical, 264, 273  
     Harvey, George, 264  
     Henderson, 264, 278  
     Jamieson, 264, 275, 310  
     Jeffrey, 265, 329  
     Logan (Thos.) Memorial, 265, 273, 310  
     Luke Historical, 265, 310, 438  
     Macfarlan and Cook, 266, 275, 310  
     Muirhead, 266  
     Procurators, Faculty of, 313, 314  
     Rae Wilson, 266, 278  
     Reid, John, 266  
     Rector's, 309  
     Ross, Robert, 267, 313  
     Scott-Macfarlan, 267, 329  
     University, 267, 277, 309  
     Walker, 268, 325  
     Watt, 268, 277, 310  
 Prizes, University, 1892-93, 309  
 —, —, for 1893-94, 277  
 Professors, 18, 44  
 Professorships, Foundation of, 25  
 Programme of Classes, 1893-94, 44  
 —, 1894, 47  
 Public Health, Diploma in, *Regulations*, 172  
 Public Law—*see Law, Public*  
 Queen Margaret College, 102, 332  
 Reading Room, 107  
 Rector of the University, 17, 29  
 Regents, 24  
 Registration of Medical Students, 156  
 Rhetoric—*see Logic and Rhetoric*  
 Scholarships, Fellowships, Exhibitions—  
     Black Theological, 238, 274  
     Breadalbane, 239, 272  
     Clark, George A., 240, 272, 273  
     Clark, John (Mile-end), 242, 272  
     Clydebank, 243  
     Cunninghame, Andrew, 243  
     Donaldson, Alexander, 244  
     Donaldson, Robert, 244  
     Eglinton, 245, 272  
     Ewing, William, 246  
     Exhibition (1851), Science, 248  
     Ferguson, 248  
     Foulis Memorial, 250  
     Lloyd's Register, 251  
     Luke, 251  
     Mackay Smith, 252  
     Metcalfe, 252, 272  
     Sandford, 253  
     Scott, 254  
     Shaw Philosophical, 254  
     Snell (at Oxford), 256, 273  
     Thomson Experimental, 258  
     —, Competition, 1892-93, 256  
 Science, Degrees in, 143  
 —, Conferred, 1892-93, 294  
 —, Department of, 60, 125  
 —, Engineering, Certificate in, 152, 294  
 —, Faculty of, 45  
 —, Preliminary Examination in, 121, 124,  
     143  
 Senatus Academicus, 18, 34  
 Session, *Summer*, 1894, 47  
 Session, *Winter*, 1893-94, 44

Societies, University, Appendix V.

Students, 38

— Matriculated in 1892-93, 38

— Representative Council, 22, 38

Surgery, Course in, 74

— Class Certificates of Merit, 1892-93, 318, 335

— Examination Questions in, 1892, 427

Surgery, Clinical, Course in, 81

—, —, Class Certificates of Merit, 1892-93, 319, 320, 335

—, Graduation in—see *Degrees*

—, Masters in, 1892-93, 291

Synopses of Courses in the several classes, 50

Syriac—see *Oriental Languages*

Teachers, Diploma for, 142

Theology, Faculty of, 47, 92, 120, 180, 186, 274, 289, 294, 311, 458

Therapeutics—see *Materia Medica*

University, The, 23

University Assistants, 34

— Buildings, 25

University Court, 17, 32, 445

— Extension Board, Appendix IV.

— Government of the, 27

— Officers, 17

— Societies, Appendix V.

Vacation Exercises for 1893, 442

Vaccination, 159

Vice-Chancellor, 17

Waltonian Lectureship, 83

Women, Diseases of, 75

—, —, Certificates of Merit, 315

Women's Department, 102, 332

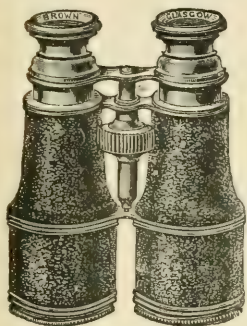
Young Assistantship, 35, 66

Zoology—see *Natural History*

—, Passes in, 302, 303



# Brown's Celebrated Field-Glasses, Microscopes, etc.



SCORER.

## BROWN'S "SCORER" FIELD-GLASS

is still unequalled for general excellence. It shows number of persons in boats four miles distant; sand-pipers and other sea-birds one mile distant. It has acquired a world-wide reputation in consequence of its undoubted merits. None are genuine without "BROWN, GLASGOW" on eye-pieces, and "SCORER" on top bar. Price, in Sling Case, 35s., post free in United Kingdom; 2s. 6d. extra free to Australia, Africa, China, India, New Zealand, and West Indies.

## BROWN'S "EUREKA" FIELD-GLASSES

are distinguished for high power, large field, clear definition, and extremely low price. Prices 14s., 15s., and 21s.

## BROWN'S NEW "CONIQUES" excel in high

power and definition. Powers 4, 6, 8, and 11 times. Respective prices 25s., 35s., 50s., and 60s.

**BROWN'S BINOCULAR TELESCOPE** gives the highest power obtainable by a Binocular Instrument. It is invaluable to the Yachtsman, Deer-stalker, Ranchman, or Sheep Farmer. Prices from £5, post free everywhere except United States.

**BROWN'S LARGE 3-INCH BRASS-BODY TELESCOPE**, with Stand and Case. Shows Jupiter's Belts and Satellites, Saturn's Ring, separates Double Stars. Shows time on church clock ten miles distant, 6-inch letters on ships, etc., at four miles' distant. Price, with one eye-piece, in Hinged Pine Case, £5 10s.

**BROWN'S POCKET ANEROID**, with Scale for Heights and Weather Forecasts, 21s., is the best value ever offered.

**BROWN'S "REICHERTS" MICROSCOPES**, giving high magnifying power, clear definition, and flatness of field, fulfilling all the actual requirements of the Medical Practitioner, Medical Student, Botanist, or Chemist. Prices, £3 12s., £4 12s., £6 10s., £7 11s.

**MAGIC LANTERNS**, from 4s. 6d. to £50.

**BROWN'S CORRECT-VISION SPECTACLES** are scientifically adapted to secure the best possible results in clearness of vision and freedom from painful and injurious strain upon the eyes. Prices, with Glass lenses, from 2s. 6d.; with finest Pebble, from 7s. 6d.; Gold, from 25s.

**BROWN'S ANTI-PRESSURE FOLDING EYE-GLASSES.** Hold securely and do not hurt the nose. Prices from 2s. 6d. Gold from 21s.

**SETS OF PHOTOGRAPHIC APPARATUS**, from 10s. 6d.

**LATEST AND BEST FORMS OF HAND CAMERAS**, from 21s.

**JAMES BROWN, 76 St. Vincent St., Glasgow.**

# COMFORT



**CORNS and BUNIONS**  
Removed, and ENLARGED  
TOE JOINTS Reduced by using  
**M. F. THOMPSON'S CORN PLASTER.**

It is a simple Plaster, thin as silk, and comfortable to the foot.

*Thousands of Testimonials.*

Packets, **1/1½** each; Post Free, **14** Stamps.

Ask for **THOMPSON'S** and take  
**NO OTHER.**

## SKIN.

**THOMPSON'S**  
**HYGIENIC SKIN CREAM.**

Invaluable for the **Cure** of **Pimples, Black Specks, and Blotches** on the **Skin, Tan, Freckles, Abscesses, Tumours, Styes** on **Eyelids, Boils, Chapped Hands, Ulcers, Bad Legs, and Unhealthy Sores** of every kind.

Bottles, **1/**, **2/**, and **3/6**; postage, **2d.**

THE GREAT  
**SCOTCH**   
 **CURE**  
**NERVETONINE.**

**STUDENTS,**  
**BUSINESS MEN,** and all  
**Brain Workers** will find  
**NERVETONINE** a powerful  
**Brain, Nerve, and Muscle**  
**Strengtheners.**

**NERVETONINE** is a Positive  
Cure for all  
Nervous Affections, **Exhaustion, Debility,**  
Mental Depression, **Hysteria, Loss of**  
**Memory, Sleeplessness, Paralysis, Indi-**  
**gestion, Headache, Loss of Appetite,**  
**Neuralgia, Toothache, Rheumatism,**  
**Lumbago, Gout, and Sciatica, Cured with**  
**NERVETONINE.**

Bottles, **1/9**, **2/9**, **4/6**, and **11/**; postage,  
**2d. extra.**

For further particulars see "**Thompson's**  
**Concise Guide to Health.**"—**GRATIS.**

## LIVER.

**THOMPSON'S**  
**Sparkling Liver Salt**

**COOLING, REFRESHING, & PURIFYING**

Invaluable for **Liver Complaints, Bilious-**  
**ness, Sickness, Headache, Constipa-**  
**tion, and Stomach Disorders generally.**

Bottles, **1/9** and **2/9**; postage, **3d.**

From Sole Proprietor, **M. F. THOMPSON**

**Homœopathic and Dispensing Chemist,**

GLASGOW: { **17 GORDON STREET.**  
**185 NEW CITY ROAD.**  
**609 NEW CITY ROAD.**

EDINBURGH: **97 PRINCES STREET.**

# James MacLehose and Sons

Publishers.

Catalogue on application.

Booksellers.

New and Standard Books.

*Old and Scarce* Books procured.

Foreign Books received twice a week.

Bookbinders.

Librarians.

The Western Book Club.

Established 1841.

Stationers.

Newsagents

Magazines and Reviews supplied on day of publication.

English and Foreign Newspapers and Magazines posted direct.

Printers.

61 Saint Vincent Street, Glasgow.

---

## MR. JOHN FORSYTH,

M.A. (Glasgow), B.Sc. (London),

Receives Pupils, Privately and in Class, in

**MATHEMATICS, NATURAL PHILOSOPHY, PHYSICS,**

**LATIN, GREEK, ENGLISH, ARITHMETIC, Etc.,**

For University and other Examinations.

---

CLASSES for DEGREE EXAMINATIONS will be  
resumed on September 4th.

---

ADDRESS—

**21 GIBSON STREET, HILLHEAD.**

# HARDMAN·POWELL&CO



Silversmiths,  
Gas Fitters,  
Iron Workers,  
Brass Workers.  
Medallists,

Trade Mark.



Engravers,  
Platers,  
Gilders,  
Enamellers,  
etc., etc.



KING EDWARD'S WORKS KING EDWARD'S ROAD  
· BIRMINGHAM ·

## METAL WORKERS

IN GOLD, SILVER, COPPER, BRASS, AND IRON,

**FOR CHURCHES,**

Public Buildings, and Residences,

IN ALL STYLES OF ARCHITECTURE.

DRAWINGS AND ESTIMATES SUPPLIED.



BY APPOINTMENT TO EYE INFIRMARY—

# M. EDWARDS,

*Late of JAMES WHITE, Optician,*

209 SAUCHIEHALL STREET,  
GLASGOW.

THE OLDEST ESTABLISHED DEPOT FOR MICROSCOPES IN SCOTLAND.

## EDWARDS' STUDENT'S MICROSCOPE.

Special, - - - - - £5 5 0

Agent for all the best Manufacturers, including ZIESS, REICHART, WATSON,  
LEITZ, CROUCH, BECK, etc., etc.

Students are specially requested to see our 9 dozen box for 2s.

**FINEST QUALITY SLIDES AND COVERS ALWAYS KEPT IN STOCK.**

## SMALL NICKEL ANEROIDS.

Very Suitable for Coast and Travelling ; will not get out  
of order, - - - - -

4s. 6d.  
12s. 6d.

Larger Size, 4 in. diameter, - - - - -  
*Carriage paid.*

A Very large Variety of **EYE-GLASSES** in Steel, Shell, Silver, Horn,  
Nickel, and Gold.

All kinds of **SPECTACLES** and **EYE-GLASS CASES** in Leather,  
Wood, Papier-Mache, Nickel, and Silver.

**EYE-GLASS GUARDS** in Silk, Gilt, Silver, and Gold.

Steel Eye-Glasses, - - from	1s. 6d.	Silver Eye-Glasses, - - from	6s. 9d.
Horn       ,,       - -       ,,	2s. 0d.	Nickel       ,,       - -       ,,	4s. 6d.
Shell       ,,       - -       ,,	4s. 0d.	Gold       ,,       - -       ,,	16s. 0d.

**SPECTACLES** and **EYE GLASSES** sent by Post for Repairs promptly attended to.  
Special Spectacle Frames made to order. Special attention given to Children's Spectacles.

## Tourists' Field Glasses in great variety.

First-Class High Power Field Glass in Sling Case, suitable for Tourist, from 30s.

## Specialty in Half and Quarter Plate Cameras.

Cheapest in town. Amateur Photographers can have the use of Dark Room  
on Premises, free of charge, for changing Plates.

*Send 9 Stamps for Illustrated Catalogue.*

TELEPHONE No. 273.



# THE NEW PROSPECTUS OF THE SCOTTISH WIDOWS' FUND LIFE ASSURANCE SOCIETY

Contains the kind of information without which no prudent man should  
Insure his Life. Copies may be had on Application.

<b>FUNDS,</b>	-	-	<b>£ 11,750,000.</b>
<b>REVENUE,</b>	-	-	<b>£ 1,350,000.</b>

The Cash Profit at the close of last Septennium amounted to £1,727,659  
Bonus Additions for the Seven Years, - - - - - 2,785,611

This was the Largest Distribution of Profit made by any British Life Office  
during the period.

**The Whole of the Profits are Divided among the Assured.**

**GLASGOW OFFICE—114 WEST GEORGE STREET.**

**THOMAS WATSON, Resident Secretary.**

ESTABLISHED 1824.

## Scottish Union and National Insurance Company.

**HEAD OFFICE—35 ST. ANDREW SQUARE, EDINBURGH.**

CAPITAL, - - - -	£6,000,000	ANNUAL INCOME, . . .	£900,000
INVESTED FUNDS, - - -	£3,960,000	LIFE POLICIES IN FORCE, -	£10,000,000

THOSE WHO CONTEMPLATE EFFECTING A

### **LIFE ASSURANCE**

ARE INVITED TO EXAMINE THE COMPANY'S NEW PROSPECTUS AND RATES.

### **EARLY BONUS POLICIES,**

ORDINARY WHOLE-LIFE.

At the last two Divisions of Profits in 1884 and 1889, Policies under the above

**Scheme received a Bonus Addition of £2 per cent.**

for each year since they began to rank. Such Policies, subject to the regulations in the  
Prospectus, are WORLD-WIDE, INDISPUTABLE, AND NON-FORFEITABLE.

**DIRECTORS—GLASGOW BRANCH.**

JOHN AFFLECK, Esq.  
W. G. BLACKIE, Esq.  
JOHN COWAN, Esq.  
W. FINLAYSON, Esq.

THOMAS MASON, Esq.  
J. B. WINGATE, Esq.  
ALEXANDER WATT, Esq.

*Resident Secretary*—HENRY G. ANDREWES.

### **FIRE INSURANCE.**

Almost all descriptions of property insured on the most favourable conditions. Inspections  
made and rates quoted free of charge. Settlement of Losses prompt and liberal.

**GLASGOW BRANCH OFFICE—150 WEST GEORGE STREET.**

# NORTH BRITISH

Established  
1809.

# and MERCANTILE

## INSURANCE COMPANY.

### FIRE—LIFE—ANNUITIES.

Total Assets exceed - - - - £11,000,000.

Total Income for 1892, - - - - 2,823,155.

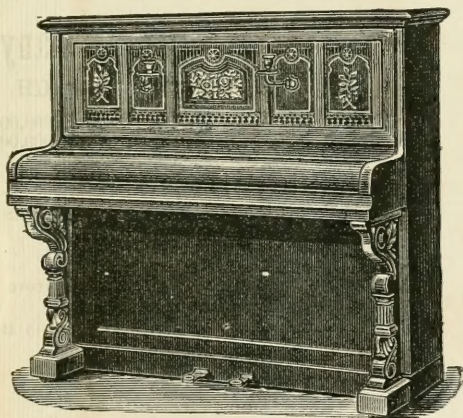
#### INCREASING BONUS

Ranging from £1 9s. to £2 19s. 2d. per cent. per annum.

### GLASGOW OFFICE—102 ST. VINCENT ST.

Local Manager—DAVID L. LAIDLAW.

Local Secretary—JOHN T. FYFE.



GRAND AND COTTAGE  
PIANOFORTES,  
HARMONIUMS AND  
ORGANS.

The Largest and Finest Stock  
in the Kingdom for Sale, Hire,  
or Hire Purchase System.

Sole Agents in Scotland for  
STEINWAY New York, BECHSTEIN  
Berlin, KIRKMAN London, ESTEY  
ORGAN COY., etc.

Descriptive Lists free on application.

*Liberal Discount to Cash Purchasers.*

## PATERSON, SONS, & CO.,

### 152 BUCHANAN STREET, GLASGOW.

Also at Ayr, Dumfries, Paisley, and Kilmarnock.



# The Glasgow and West of Scotland Technical College.

---

Andersonian Buildings, - - - 204 George Street.  
Science and Arts Buildings, - - 38 Bath Street.  
"Young" Laboratory Buildings, - 60 John Street.

---

## Day and Evening Classes—Session 1893-94.

For young Engineers, Architects, Shipbuilders, Chemists, Electricians, etc., prior to, during, or after their apprenticeship. These Classes now form very complete Courses in all departments of Engineering, for which the College Diplomas and Certificates are awarded.

**SUBJECTS TAUGHT.**—**DAY CLASSES.**—Mathematics; Natural Philosophy; Machine Drawing and Design; Applied Mechanics; Civil, Mechanical, and Electrical Engineering; Chemistry; Technical Chemistry; Metallurgy; Mining; Mineralogy; Geology; Agriculture. **EVENING CLASSES** as above, with special courses in Sound, Light, and Heat; Magnetism and Electricity; Telegraphy and Telephony; Electric Lighting and Transmission of Power; Theoretical and Applied Mechanics; Building Construction and Architecture; Naval Architecture; Photography; Sanitation; Plumbing; Industrial Art; Music, etc.

**Chemical, Physical, Metallurgical, and Electrical Laboratories,  
and Engineering Workshop open all day.**

For Calendar (price 1s. or by post 1s. 3d.) and Time-Table, apply to JOHN YOUNG, B.Sc., Secretary, 38 Bath Street.

---

## James Thomson & Son, ROBE MAKERS,

By Appointment to the University,

84 & 86 St. Vincent Street,  
**GLASGOW.**

---

**TAILORS AND CLOTHIERS.**

**CLERICAL AND LEGAL ROBES IN STOCK OR TO ORDER.  
GRADUATES' GOWNS ON HIRE.**